

FACTORY SYSTEMS

# RESIN COATINGS FOR INDUSTRIAL FLOORING

**KERA****KOLL**  
The GreenBuilding Company



# RESIN COATINGS FOR INDUSTRIAL FLOORING



In an industrial context, resin coatings have the aim and purpose of improving the technical and aesthetic performance of newly constructed concrete floors, but above all they offer the ability to recover and enhance existing industrial flooring, without the need for demolition.

The Factory Systems have been designed to offer the most suitable cycle for every functional need, in every situation.

As a result, this guide does not merely intend to be a list of systems, but an effective tool to ensure that each time a system is selected it will be the most specific both in terms of performance and compatibility with the technical features and conservation of the existing flooring, and in terms of its suitability for the specific conditions and operating times required.

To make proper use of the proposed materials and to ensure the success of the operation it is essential that the installer follows the instructions provided in each of the product technical sheets carefully.

It is understood that this information is drawn up based on our best technical and applicative knowledge. As it is not possible for us to directly check the conditions on-site and the execution of the work, this information represents general indications. The operators and designers will be responsible for checking the suitability of the system indicated in each individual case. We are at your disposal for any clarification or support that may be required.



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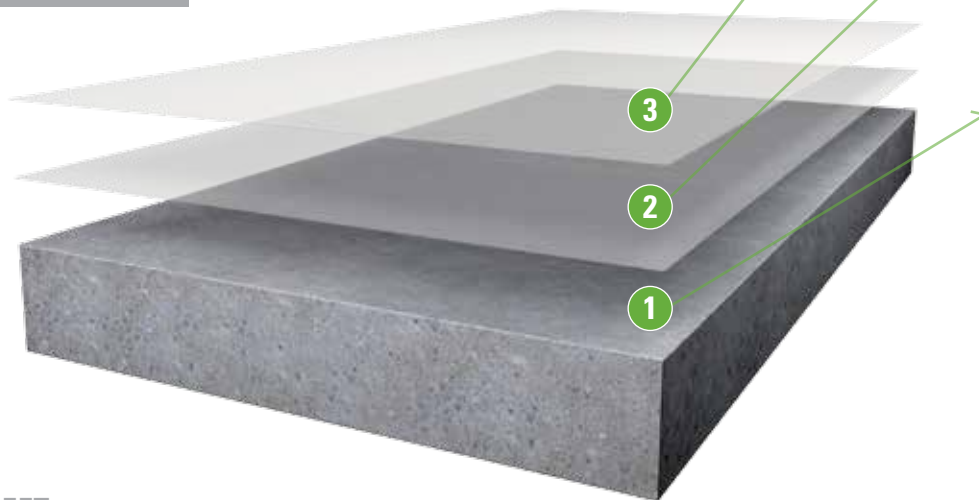
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# INCORPORATED COAT IMPREGNATION



Hardness	-
Thickness	-
No. coats	2
Resistance to abrasion	-
Resistance to traffic	-
Substrate type	New
<b>Waiting time</b>	
Ready for normal use	4 days
Ready for foot traffic	2 days

**System to create breathable, impregnating incorporated coatings for concrete industrial floors. Improves the dust-proofing characteristics of the floor and reduces the absorption of water and oils.**



## DATA SHEET

### Areas of use

Impregnating treatment of smoothed or dry-shake quartz finished concrete floors in warehouses, garages, fork lift truck transit areas, storage areas. Suitable for new or perfectly undamaged and unpolluted concrete floors. For internal use.

### Substrate

The substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable and compact. Substrates must be appropriately prepared. After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

### Preparation of substrates







The substrates must be free from oil, grease, separating agents, loose, flaky or imperfectly anchored parts. They must be prepared by power washing or sanding and dust must be thoroughly removed using a suitable vacuum cleaner. On newly constructed substrates, wait for a minimum of 5 days after completion of the floor before proceeding to prepare the substrates and applying.

### Application

Use a roller to apply a first coat of Factory Eco Base EP diluted with water in the following ratio - Water : Factory Eco Base EP = 6 : 1 with a consumption of ≈ 20 g/m<sup>2</sup> according to the absorbency of the substrate. Wait for the floor to be ready for foot traffic before proceeding with application of the next coat.

Use a roller to apply a second coat of Factory Eco Base EP diluted with water in the following ratio - Water : Factory Eco Base EP = 4 : 1 with a consumption of ≈ 30 g/m<sup>2</sup> according to the absorbency of the substrate.

- **TRANSPARENT SEMI-GLOSS SMOOTH FINISH**
- **SUITABLE FOR NEW INDUSTRIAL FLOORS, INCLUDING NOT CURED FLOORS**
- **REDUCES DUST FORMATION AND THE ABSORPTION OF LIQUIDS**
- **SUITABLE FOR VEHICULAR AND INDUSTRIAL TRAFFIC**

<p>Finishing ≈ 30 g/m<sup>2</sup></p> 	<p><b>Factory Eco Base EP</b> Transparent, fluid, organic, water-friendly impregnating agent for oil and water-repellent dust-proof treatment of industrial concrete floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.</p>		
<p>Finishing ≈ 20 g/m<sup>2</sup></p> 	<p><b>Factory Eco Base EP</b> Transparent, fluid, organic, water-friendly impregnating agent for oil and water-repellent dust-proof treatment of industrial concrete floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.</p>		<p>▲ waiting time 4-24 hrs</p>
<p>Power washing / Sanding</p> 	<p><b>Preparation of the substrate</b> <b>Power washing:</b> treatment carried out using a jet of water, preferably at high temperature, at a pressure in excess of 25 MPa and if necessary with the aid of specific detergents in the presence of oily substances. <b>Sanding:</b> treatment carried out using a machine fitted with a rotating plate supporting an abrasive fabric, paper or mesh disk.</p>		<p>Time</p>

**System 1 consumption summary - Impregnation:**

Product	Consumption	Code	Pack
Factory Eco Base EP	≈ 0,05 kg/m <sup>2</sup>	01836 Part A	5 kg
		01837 Part B	5 kg

**Special notes**

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

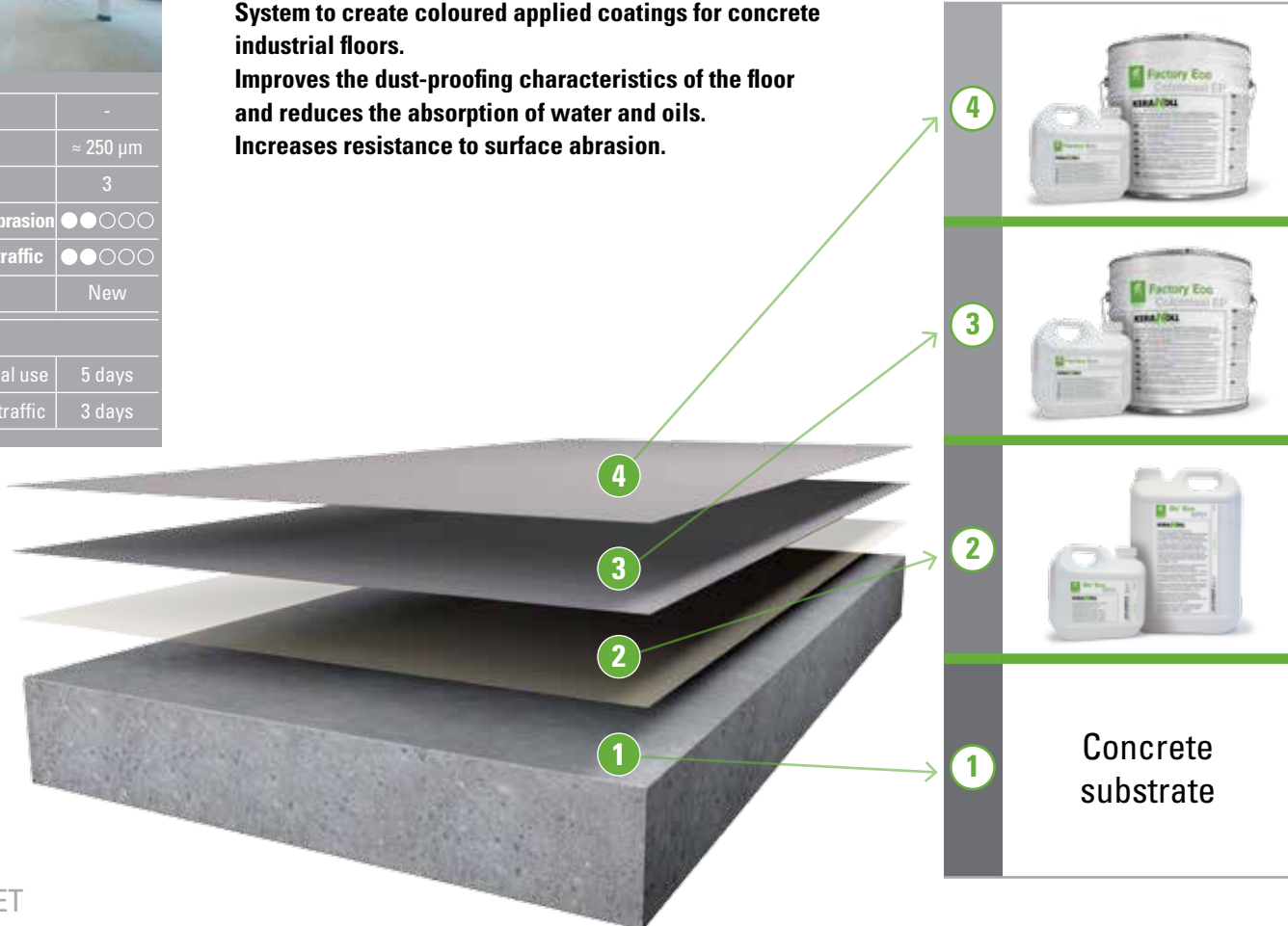
# SYSTEM 2

## APPLIED COAT THIN FILM



Hardness	-
Thickness	≈ 250 µm
No. coats	3
Resistance to abrasion	●●○○○
Resistance to traffic	●●○○○
Substrate type	New
<b>Waiting time</b>	
Ready for normal use	5 days
Ready for foot traffic	3 days

**System to create coloured applied coatings for concrete industrial floors.**  
**Improves the dust-proofing characteristics of the floor and reduces the absorption of water and oils.**  
**Increases resistance to surface abrasion.**



### DATA SHEET

#### Areas of use

Coating of smoothed or dry-shake quartz finished concrete floors in areas subject to light traffic such as warehouses, garages, storage areas. Suitable for new or perfectly undamaged and unpolluted concrete floors. Not recommended for high levels of vehicle transit and industrial traffic. For internal use.

#### Substrate

The substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable, compact, must have already completed the hygrometric shrinkage curing period and must be free from residual moisture rising (max 2% for traditional screeds, 3% for concrete floors) or in counterthrust. The substrates must be mechanically prepared.

After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

#### Preparation of substrates

The substrates must be free from oil, grease, separating agents, loose, flaky or imperfectly anchored parts. They must be prepared by sanding or smoothing and dust must be thoroughly removed using a suitable vacuum cleaner. Control joints must be cut or opened, cleaned and all dust removed.

#### Application

Priming of the substrate with Slc® Eco EP21 diluted with Keragrip Eco Pulep by up to 30% according to the absorbency of the substrate. Apply evenly with a brush or roller in a single coat, at a coverage of ≈ 200 ml/m<sup>2</sup>, taking care to remove any build-up. Wait for the product to harden before proceeding with application of the next coat.

Application by roller of a first coat of Factory Eco Colormaxi EP with a coverage of ≈ 150 g. Wait for the product to harden before proceeding with application of the next coat.



- COLOURED SEMI-GLOSS TEXTURED FINISH
- SUITABLE FOR NEW INDUSTRIAL FLOORING
- REDUCES DUST FORMATION AND THE ABSORPTION OF LIQUIDS
- SUITABLE FOR LOW INTENSITY VEHICLE TRAFFIC

Coloured finish $\approx 120 \text{ g/m}^2$	<b>Factory Eco Colormaxi EP</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.		
			
Coloured finish $\approx 150 \text{ g/m}^2$	<b>Factory Eco Colormaxi EP</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.		▲ waiting time
			<b>16-24 hrs</b>
Priming $\approx 200 \text{ ml/m}^2$	<b>Slc® Eco EP21</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.		▲ waiting time
			<b>12-24 hrs</b>
Sanding / Smoothing	<b>Preparation of the substrate</b> <b>Sanding:</b> treatment carried out using a machine fitted with a rotating plate supporting an abrasive fabric, paper or mesh disk.  <b>Smoothing or grinding:</b> treatment carried out using a machine rotating on its vertical axis with plates to which abrasive tools are fixed.		Time
			

Application by roller of a second coat of Factory Eco Colormaxi EP with a coverage of  $\approx 120 \text{ g/m}^2$  (if necessary dilute by 5% with Slc® Eco DD).

#### SYSTEM 2 consumption summary - THIN FILM (250 µm):

Product	Consumption	Code	Pack
Slc® Eco EP21	$\approx 0,2 \text{ l/m}^2$	11207 Part A	4x5 l
		05152 Part B	4x2 l
Factory Eco Colormaxi EP	$\approx 0,27 \text{ kg/m}^2$	Part A colour code	10 kg
		02903 Part B	2x3 kg

#### Treatment of joints

All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

#### Special notes

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

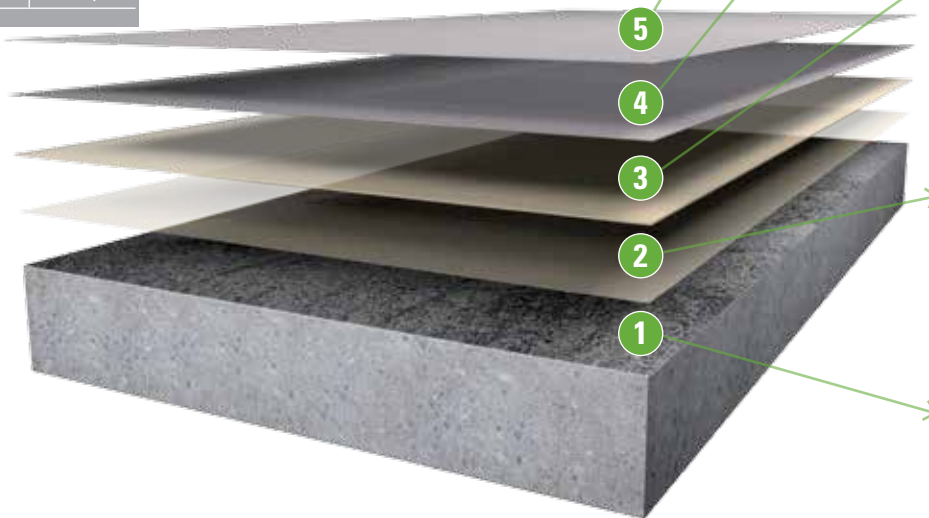
# SYSTEM 3

## APPLIED COAT THICK FILM



Hardness	-
Thickness	≈ 600 µm
No. coats	4
Resistance to abrasion	●●○○○
Resistance to traffic	●●●○○
Substrate type	New
<b>Waiting time</b>	
Ready for normal use	6 days
Ready for foot traffic	4 days

**System to create coloured applied coatings for concrete industrial floors. Improves the dust-proofing features of the flooring and makes the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes. Increases resistance to surface abrasion.**



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1

Concrete substrate

### DATA SHEET

#### Areas of use

Coating of smoothed or dry-shake quartz finished concrete floors in warehouses, garages, storage areas, covered parking areas. Suitable for new concrete floors including those with cracks, provided they are stable, and slight surface irregularities. Not recommended for high levels of vehicle transit or industrial traffic. Not suitable as a waterproofing system. For internal use.

#### Substrate

The substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable, compact, must have already completed the hygrometric shrinkage curing period and must be free from residual moisture rising (max 2% for traditional screeds, 3% for concrete floors) or in counterthrust. The substrates must be mechanically prepared.

After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

#### Preparation of substrates


The substrates must be free from oil, grease, separating agents, loose, flaky or imperfectly anchored parts. They must be prepared by smoothing and dust must be thoroughly removed using a suitable vacuum cleaner. Control joints must be cut or opened, cleaned and all dust removed.

#### Application

Priming of the screed with Slc® Eco EP21 diluted with Keragrip Eco Pulep by up to 30% according to the absorbency of the substrate. Apply evenly with a brush or roller in a single coat, at a coverage of ≈ 200 ml/m<sup>2</sup>, taking care to remove any build-up. Wait for the product to harden before proceeding with application of the next coat.

Complete smoothing off of the group obtained by mixing Slc® Eco EP21 with the addition of the thickening additive Factory Tixolight ≈ 5 – 10% by weight (the percentage of additive varies according to the size of any cracks to be filled). Slc® Eco EP21 coverage ≈ 400 – 600 ml/m<sup>2</sup>. Wait for the product to harden before proceeding with application of the next coat.

- COLOURED SEMI-GLOSS TEXTURED FINISH
- SUITABLE FOR NEW INDUSTRIAL FLOORING
- IMPERMEABLE TO WATER AND OILS
- SUITABLE FOR MEDIUM INTENSITY VEHICLE TRAFFIC

Coloured finish ≈ 0,12 kg/m <sup>2</sup>	<b>Factory Eco Colormaxi EP</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.		
Coloured finish ≈ 0,15 kg/m <sup>2</sup>	<b>Factory Eco Colormaxi EP</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.		▲ waiting time 16-24 hrs
Smoothing ≈ 400 – 600 ml/m <sup>2</sup> : ≈ 40 – 60 g/m <sup>2</sup>	<b>Slc® Eco EP21 : Factory Tixolight</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.  Ultra-light, single component thickening additive, specific to render Slc® Eco EP21 thixotropic .		▲ waiting time 12-24 hrs
Priming ≈ 200 ml/m <sup>2</sup>	<b>Slc® Eco EP21</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.		▲ waiting time 12-24 hrs
Smoothing	<b>Preparation of the substrate</b> <b>Smoothing or grinding:</b> treatment carried out using a machine rotating on its vertical axis with plates to which abrasive tools are fixed.		Time

Application by roller of a first coat of Factory Eco Colormaxi EP with a coverage of ≈ 150 g. Wait for the product to harden before proceeding with application of the next coat.

Application by roller of a second coat of Factory Eco Colormaxi EP with a coverage of ≈ 120 g/m<sup>2</sup> (if necessary dilute by 5% with Slc® Eco DD).

#### SYSTEM 3 consumption summary - Thick Film (600 µm):

Product	Consumption	Code	Pack
Slc® Eco EP21	≈ 0,6 - 0,8 ℓ/m <sup>2</sup>	11207 Part A	4x5 ℓ
		05152 Part B	4x2 ℓ
Factory Tixolight	≈ 0,04 - 0,06 kg/m <sup>2</sup>	06545	1 kg
Factory Eco Colormaxi EP	≈ 0,27 kg/m <sup>2</sup>	Part A colour code	10 kg
		02903 Part B	2x3 kg

#### Treatment of joints

All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

#### Special notes

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

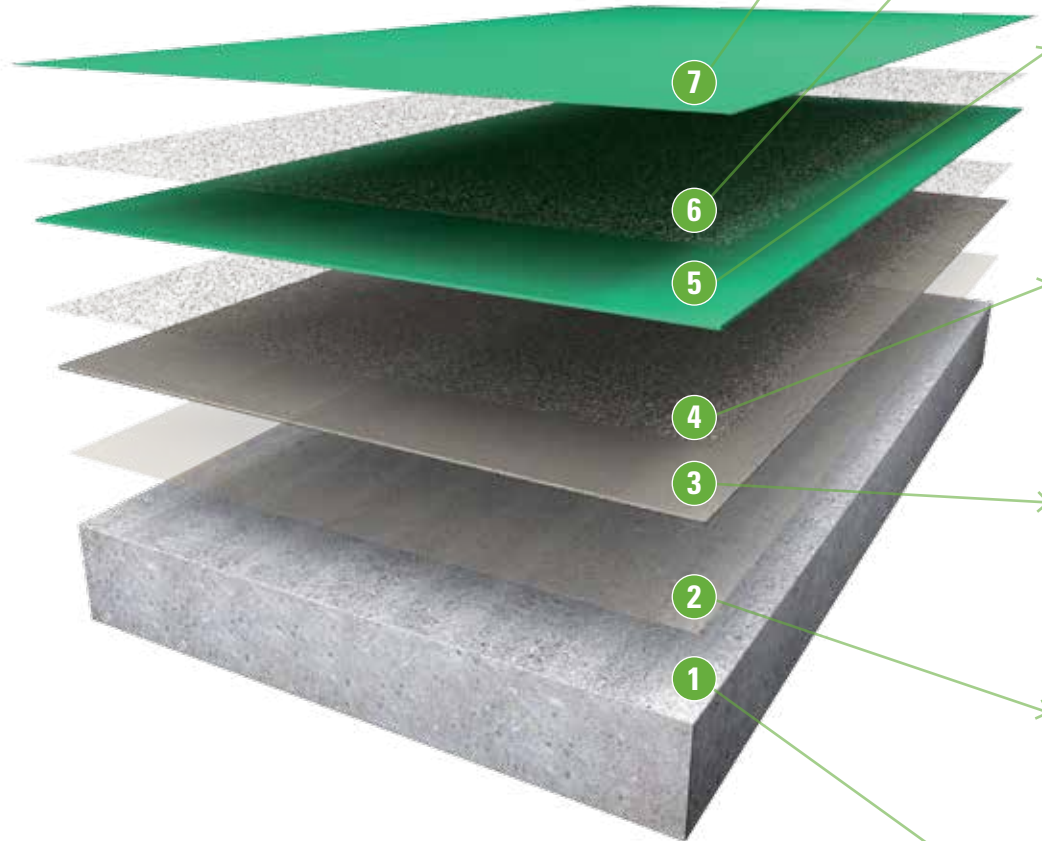
## APPLIED COAT

## MULTI-LAYER FLOORING 1.5





Hardness	●●○○○
Thickness	≈ 1,5 mm
No. coats	4
Resistance to abrasion	●●●○○
Resistance to traffic	●●●○○
Substrate type	New Semi-new
<b>Waiting time</b>	
Ready for normal use	6 days
Ready for foot traffic	3 days


**System to create coloured applied coatings for concrete industrial floors.**  
**Improves the dust-proofing features of the flooring and makes the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes.**  
**Increases resistance to surface abrasion.**





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**Concrete substrate**

- COLOURED SEMI-GLOSS TEXTURED FINISH. NON-SLIP FINISH OPTION
- SUITABLE FOR NEW OR SLIGHTLY WORN INDUSTRIAL FLOORING
- IMPERMEABLE TO WATER AND OILS
- SUITABLE FOR MEDIUM INTENSITY VEHICLE TRAFFIC

<p>Coloured finish ≈ 0,12 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colormaxi EP</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.</p>		
<p>“Optional” dusting to create a non-slip finish ≈ 1,5 kg/m<sup>2</sup></p>	<p><b>Quarzo 1.3</b> Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>16-24 hrs</b></p>
<p>Coloured finish ≈ 0,4 kg/m<sup>2</sup> : 0,4 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colormaxi EP : Quarzo 1.3</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.</p>		
<p>Dusting to saturation point ≈ 1,5 kg/m<sup>2</sup></p>	<p><b>Quarzo 1.3</b> Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>12-24 hrs</b></p>
<p>Correction with finishing product ≈ 0,9 – 1,5 kg/m<sup>2</sup></p>	<p><b>Keralevel® Eco Floor</b> Elastic, eco-friendly, organic mineral finishing product for the high-resistance and high-adhesion correction of irregular substrates, whether absorbent or non-absorbent, ideal for use in GreenBuilding. Two-component with reduced solvent content.</p>		
<p>Priming ≈ 200 – 400 ml/m<sup>2</sup></p>	<p><b>Slc® Eco EP21</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.</p>		<p>▲ waiting time <b>1-4 hrs</b></p>
<p>Smoothing</p>	<p><b>Preparation of the substrate</b> <b>Smoothing or grinding:</b> treatment carried out using a machine rotating on its vertical axis with plates to which abrasive tools are fixed.</p>		<p>Time</p>

## APPLIED COAT

## MULTI-LAYER FLOORING 1.5

## DATA SHEET

**System to create coloured applied coatings for concrete industrial floors. Improves the dust-proofing features of the flooring and makes the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes. Increases resistance to surface abrasion.**

**Areas of use**

Coating of smoothed or dry-shake quartz finished concrete floors in offices, laboratories, warehouses, garages, storage areas, covered parking areas. Suitable for newly constructed or slightly worn concrete floors. Not recommended for medium or high levels of industrial traffic. Not suitable as a waterproofing system. For internal use.

**Substrate**

The resin flooring substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable, compact, must have already completed the hygrometric shrinkage curing period and must be free from residual moisture rising (max 2% for traditional screeds, 3% for concrete floors) or in counterthrust.

The substrates must be mechanically prepared.

After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

**Preparation of substrates**

The substrates must be free from oil, grease, separating agents, loose, flaky or imperfectly anchored parts. They must be prepared by smoothing and dust must be thoroughly removed using a suitable vacuum cleaner. Control joints must be cut or opened, cleaned and all dust removed.

**Application**

Priming of the screed with Slc<sup>®</sup> Eco EP21 diluted with Keragrip Eco Pulep by up to 30% according to the absorbency of the substrate. Apply evenly with a brush or roller in a single coat, at a coverage of ≈ 200 ml/m<sup>2</sup>, (≈ 400 – 600 ml/m<sup>2</sup> in the case of in-depth consolidation) taking care to remove any build-up. Wait for the product to be absorbed completely and for any solvents to have fully evaporated before applying the next coat.

Application of Keralevel<sup>®</sup> Eco Floor over the whole surface using a spreader, to level and even out the substrate, coverage on screed ≈ 0.9 kg/m<sup>2</sup> (≈ 1.5 kg/m<sup>2</sup> per mm thickness).

While still fresh, dust the surface to saturation with Quarzo 1.3, with a coverage of ≈ 1.5 kg/m<sup>2</sup>. Wait for the product to harden before proceeding with application of the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.

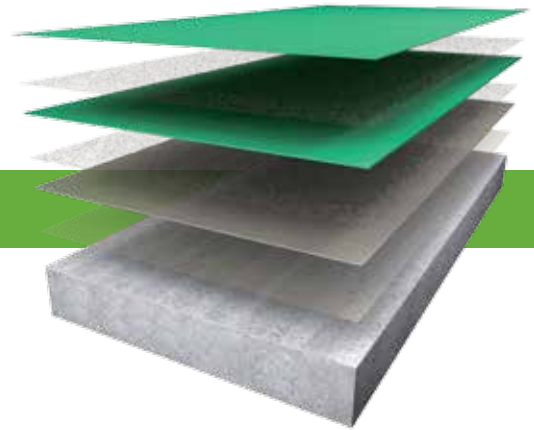
Application by spreader of Factory Eco Colormaxi EP mixed with Quarzo 1.3 in a ratio of 1 : 1, with a coverage of ≈ 400 g/m<sup>2</sup> of Factory Eco Colormaxi EP and 400 g/m<sup>2</sup> of Quarzo 1.3. Wait for the product to harden before proceeding with application of the next coat.

Sanding to even up the floor and remove any ridges.

(\*) For a coating with a non-slip effect, dust the surface to saturation while still fresh with Quarzo 1.3, at a coverage of ≈ 1.5 kg/m<sup>2</sup>, and wait for the product to harden before applying the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.

Application of Factory Eco Colormaxi EP with a coverage of ≈ 120 g/m<sup>2</sup> (if necessary dilute by 5% with Slc<sup>®</sup> Eco DD).


**SYSTEM 4 consumption summary - Multi-layer flooring 1.5 (1.5 mm):**

Product	Consumption	Code	Pack
<b>Slc® Eco EP21</b>	0,2 ℓ/m <sup>2</sup>	11207 Part A	4x5 ℓ
		05152 Part B	4x2 ℓ
<b>Keralevel® Eco Floor</b>	≈ 0,9 kg/m <sup>2</sup>	06640 Part A	9,25 kg
		06641 Part B	4x0,75 kg
<b>Quarzo 1.3</b>	≈ 2 kg/m <sup>2</sup> (*+1.5 kg/m <sup>2</sup> for “optional” dusting)	01133	25 kg
<b>Factory Eco Colormaxi EP</b>	≈ 0,52 kg/m <sup>2</sup>	Part A colour code	10 kg
		02903 Part B	2x3 kg

**Treatment of joints**

All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

**Special notes**

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

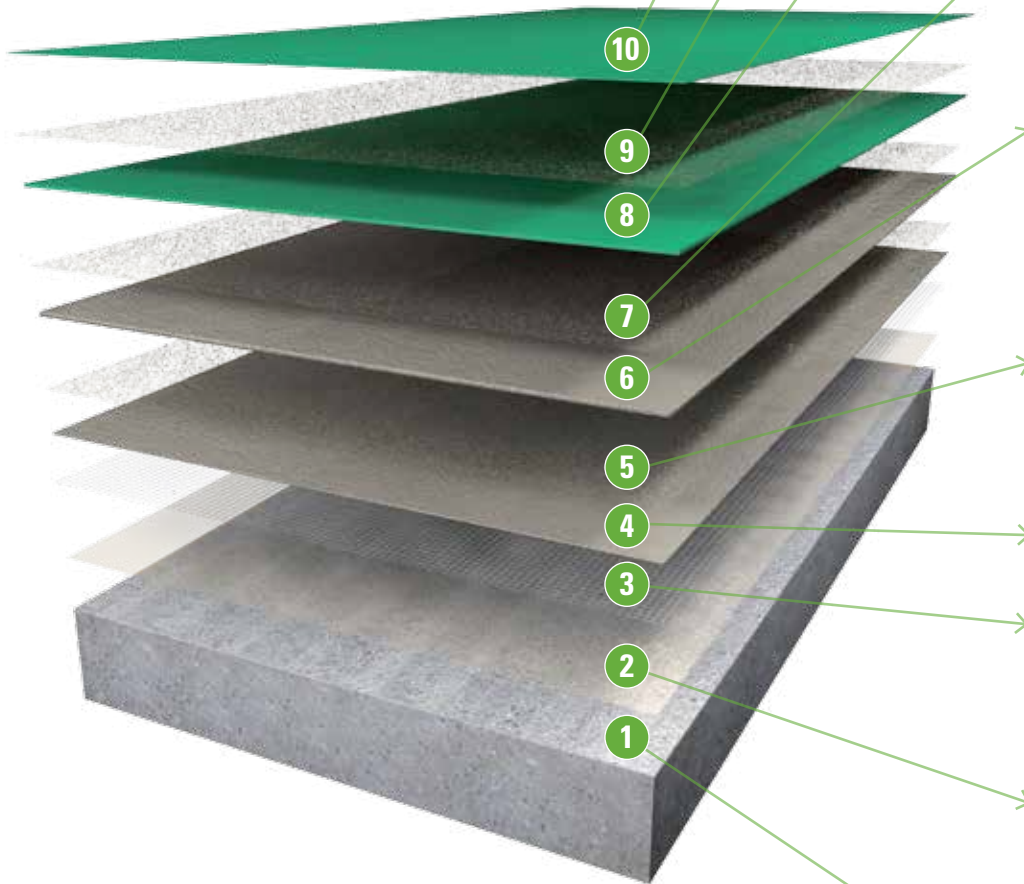
# SYSTEM 5

## APPLIED COAT MULTI-LAYER FLOORING 3.0



Hardness	●●●●○
Thickness	≈ 3 mm
No. coats	5
Resistance to abrasion	●●●●○
Resistance to traffic	●●●●○
Substrate type	New Semi-new Worn
<b>Waiting time</b>	
Ready for normal use	7 days
Ready for foot traffic	4 days

**System to create coloured applied coatings for concrete industrial floors.**  
**Improves the dust-proofing characteristics of the flooring, making the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes.**  
**Increases resistance to surface abrasion.**



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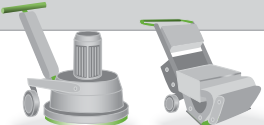


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Concrete  
substrate

- COLOURED SEMI-GLOSS TEXTURED FINISH. NON-SLIP FINISH OPTION
- SUITABLE FOR INDUSTRIAL FLOORS, INCLUDING THOSE THAT ARE WORN, CRACKED AND WITH SURFACE POLLUTION

- IMPERMEABLE TO WATER AND OILS
- SUITABLE FOR HIGH INTENSITY VEHICLE TRAFFIC AND LOW INTENSITY INDUSTRIAL TRAFFIC



<p>Coloured finish ≈ 0,12 kg/m<sup>2</sup></p> 	<p><b>Factory Eco Colormaxi EP</b></p> <p>Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.</p>		
<p>“Optional” dusting to create a non-slip finish ≈ 1,5 kg/m<sup>2</sup></p> 	<p><b>Quarzo 1.3</b></p> <p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>16-24 hrs</b></p>
<p>Coloured finish ≈ 0.4 kg/m<sup>2</sup> : 0.4 kg/m<sup>2</sup></p> 	<p><b>Factory Eco Colormaxi EP : Quarzo 1.3</b></p> <p>Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.</p> <p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		
<p>Dusting to saturation point ≈ 1,5 kg/m<sup>2</sup></p> 	<p><b>Quarzo 1.3</b></p> <p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>12-24 hrs</b></p>
<p>Correction with finishing product ≈ 0,9 – 1,5 kg/m<sup>2</sup></p> 	<p><b>Keralevel® Eco Floor</b></p> <p>Elastic, eco-friendly, organic mineral finishing product for the high-resistance and high-adhesion correction of irregular substrates, whether absorbent or non-absorbent, ideal for use in GreenBuilding. Two-component with reduced solvent content.</p>		
<p>Dusting to saturation point ≈ 1,5 kg/m<sup>2</sup></p> 	<p><b>Quarzo 1.3</b></p> <p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>12-24 hrs</b></p>
<p>Mesh + Finishing ≈ 0,9 – 1,5 kg/m<sup>2</sup></p> 	<p><b>Net 90 + Keralevel® Eco Floor</b></p> <p>Alkali-resistant fibreglass reinforcing mesh to strengthen synthetic and mineral finishing coats.</p> <p>Elastic, eco-friendly, organic mineral finishing product for the high-resistance and high-adhesion correction of irregular substrates, whether absorbent or non-absorbent, ideal for use in GreenBuilding. Two-component with reduced solvent content.</p>		
<p>Priming ≈ 0,2 – 0,4 ml/m<sup>2</sup></p> 	<p><b>Slc® Eco EP21</b></p> <p>Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.</p>		<p>▲ waiting time <b>1-4 hrs</b></p>
<p>Smoothing / Peening</p> 	<p><b>Preparation of the substrate</b></p> <p><b>Smoothing or grinding:</b> treatment carried out using a machine rotating on its vertical axis with plates to which abrasive tools are fixed.</p> <p><b>Shot Peening:</b> treatment carried out using a machine that advances at an adjustable speed, projecting spherical metallic aggregates onto the substrate and fitted with a suction device that recovers the abrasive elements and eroded material and separates them.</p>		<p>Time</p>

## APPLIED COAT

## MULTI-LAYER FLOORING 3.0

## DATA SHEET

**System to create coloured applied coatings for concrete industrial floors. Improves the dust-proofing features of the flooring and makes the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes. Increases resistance to surface abrasion.**

**Areas of use**

Coating of smoothed or dry-shake quartz finished concrete floors in offices, laboratories, warehouses, garages, storage areas, covered parking areas, fork lift truck transit areas. Suitable for new or worn concrete floors, with surface pollution and cracks. Not recommended for high levels of industrial traffic. Not suitable as a waterproofing system. For internal use.

**Substrate**

The resin flooring substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable, compact, must have already completed the hygrometric shrinkage curing period and must be free from residual moisture rising (max 3% for concrete floors) or in counterthrust.

The substrates must be mechanically prepared. After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

**Preparation of substrates**

The substrates must be free from oil, grease, deeply absorbed layers of pollution, loose, flaky or imperfectly anchored parts. They must be prepared by smoothing or shot peening and dust must be thoroughly removed using a suitable vacuum cleaner. Control joints must be cut or opened, cleaned and all dust removed.

**Application**

Prime the screed with Sic<sup>®</sup> Eco EP21 diluted with Keragrip Eco Pulep by up to 30% according to the absorbency of the substrate and apply evenly with a brush or roller in a single coat, at a coverage of  $\approx 200 \text{ ml/m}^2$  ( $\approx 400 - 600 \text{ ml/m}^2$  in case of in-depth consolidation) taking care to remove any build-up. Wait for the product to be absorbed completely and for any solvents to have fully evaporated before applying the next coat.

Lay Net 90 fibreglass mesh over the whole surface and apply Keralevel<sup>®</sup> Eco Floor two-component finishing product (coverage  $\approx 1.5 \text{ kg/mm/m}^2$ ).

Dust the whole surface to saturation while still fresh with Quarzo 1.3, at a coverage of  $\approx 2 \text{ kg/m}^2$ , and wait for the product to harden before applying the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.

Application of Keralevel<sup>®</sup> Eco Floor over the whole surface to level and even out the substrate, coverage  $\approx 0.9 \text{ kg/m}^2$  ( $\approx 1.5 \text{ kg/m}^2$  per mm thickness).

Dust the surface to saturation while still fresh with Quarzo 1.3, at a coverage of  $\approx 1.5 \text{ kg/m}^2$ , and wait for the product to harden before applying the next coat.

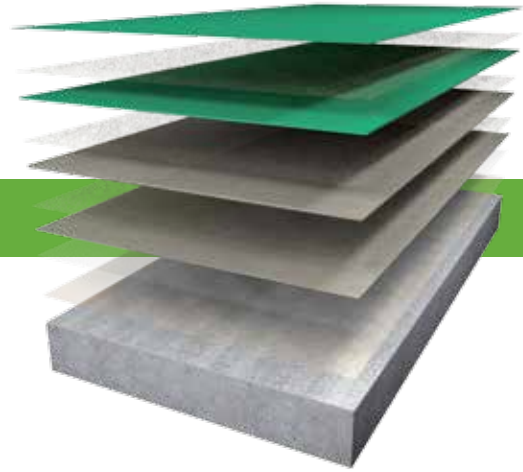
Removal of any excess quartz and subsequent sanding to even up the floor.

Using a spreader, apply Factory Eco Colormaxi EP mixed with Quarzo 1.3 at a ratio of 1:1, with a coverage of  $\approx 400 \text{ g/m}^2$  of Factory Eco Colormaxi EP and  $\approx 400 \text{ g/m}^2$  of Quarzo 1.3. Wait for the product to harden before proceeding with application of the next coat.

Sanding to even up the floor and remove any ridges.

(\*) For a coating with a non-slip effect, dust the surface to saturation while still fresh with Quarzo 1.3, at a coverage of  $\approx 1.5 \text{ kg/m}^2$ , and wait for the product to harden before applying the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.



Apply Factory Eco Colormaxi EP using a roller, with a coverage of  $\approx 150 \text{ g/m}^2$  (if necessary dilute by 5% with Slc® Eco DD).

#### SYSTEM 5 consumption summary - Multi-layer flooring 3.0 (3 mm):

Product	Consumption	Code	Pack
<b>Slc® Eco EP21</b>	$\approx 0,2 \text{ l/m}^2$	11207 Part A	4x5 l
		05152 Part B	4x2 l
<b>Keralevel® Eco Floor</b>	$\approx 2,5 \text{ kg/m}^2$	06640 Part A	9,25 kg
		06641 Part B	4x0,75 kg
<b>Net 90</b>	$1 \text{ m/m}^2$	12189	50 m
<b>Quarzo 1.3</b>	$\approx 4 \text{ kg/m}^2$ (*+1.5 kg/m <sup>2</sup> for "optional" dusting)	01133	25 kg
<b>Factory Eco Colormaxi EP</b>	$\approx 0,52 \text{ kg/m}^2$	Part A colour code	10 kg
		02903 Part B	2x3 kg

#### Treatment of joints

All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

#### Special notes

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

# 6

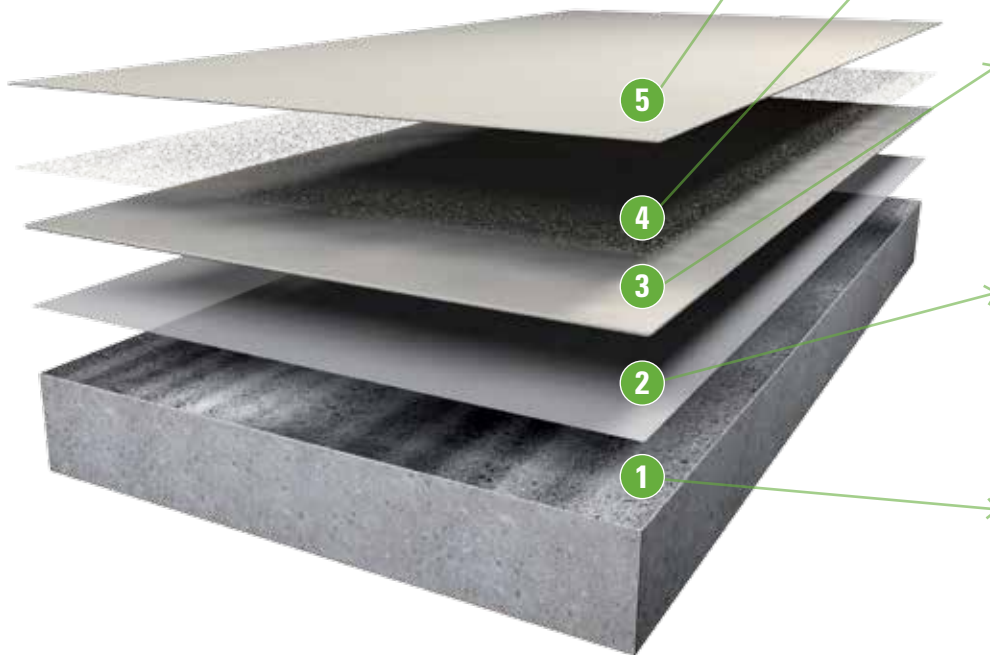
## APPLIED COAT

### BREATHABLE MULTI-LAYER FLOORING



Hardness	●●○○○
Thickness	≈ 1,5 mm
No. coats	3
Resistance to abrasion	●●○○○
Resistance to traffic	●●●○○
Substrate type	Damp New Worn
<b>Waiting time</b>	
Ready for normal use	5-7 days
Ready for foot traffic	3-4 days

**System to create breathable, coloured applied coatings for concrete industrial floors.**  
**Improves the dust-proofing features of the flooring, is impermeable to water and resistant to oil, hydrocarbons and liquids used for food purposes.**



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**Concrete  
substrate**

- COLOURED OPAQUE TEXTURED FINISH
- SUITABLE FOR FLOORS WITHOUT VAPOUR BARRIER, OR WITH HIGH HUMIDITY LEVELS, EVEN IF WORN
- WATER-RESISTANT
- SUITABLE FOR LOW INTENSITY VEHICLE TRAFFIC

<p>Coloured finish ≈ 0,7 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colorwet EP</b> Eco-friendly, highly vapour-permeable coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.</p>		
<p>Dusting to saturation point ≈ 1,5 kg/m<sup>2</sup></p>	<p><b>Quarzo 1.3</b> Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time 12-24 hrs</p>
<p>Coloured finish ≈ 2,3 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colorwet EP</b> Eco-friendly, highly vapour-permeable coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.</p>		
<p>Priming ≈ 100 ml/m<sup>2</sup></p>	<p><b>Factory Eco Base EP</b> Transparent, fluid, organic, water-friendly impregnating agent for oil and water-repellent dust-proof treatment of industrial concrete floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.</p>		<p>▲ waiting time 2-4 hrs</p>
<p>Shot peening</p>	<p><b>Preparation of the substrate</b> <b>Shot Peening:</b> treatment carried out using a machine that advances at an adjustable speed, projecting spherical metallic aggregates onto the substrate and fitted with a suction device that recovers the abrasive elements and eroded material and separates them.</p>		<p>Time</p>

## APPLIED COAT

## BREATHABLE MULTI-LAYER FLOORING

## DATA SHEET

**System to create breathable, coloured applied coatings for concrete industrial floors. Improves the dust-proofing features of the flooring, is impermeable to water and resistant to oil, hydrocarbons and liquids used for food purposes.**

**Areas of use**

Coating of smoothed or dry-shake quartz finished concrete floors in areas subject to light traffic destined for use as warehouses, garages, storage areas, transit areas in general. Suitable for new or worn concrete floors, with surface pollution, including those without vapour barrier or with high levels of residual humidity. Not recommended for medium or high levels of traffic. Not suitable as a waterproofing system. For internal and external use.

**Substrate**

The substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable and compact, must have already completed the hygrometric shrinkage curing period.

The substrates must be mechanically prepared. After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

**Preparation of substrates**

The substrates must be free from oil, grease, deeply absorbed layers of pollution, loose, flaky or imperfectly anchored parts. They must be prepared by shot peening and dust must be thoroughly removed using a suitable vacuum cleaner. Control joints must be cut or opened, cleaned and all dust removed.

**Application*****Optional (if consolidation is necessary)***

Prime the substrate, static joints and areas adjacent to manholes with Factory Eco Base EP diluted ≈ 1 : 0.5 – 1 : 1 with water, with a coverage of ≈ 100 ml/m<sup>2</sup> of Factory Eco Base EP.

During application take care to wet-out all the areas described above, making sure you remove any build-up. Wait for the product to be absorbed completely and for the floor to be able to take foot traffic before applying the next coat.

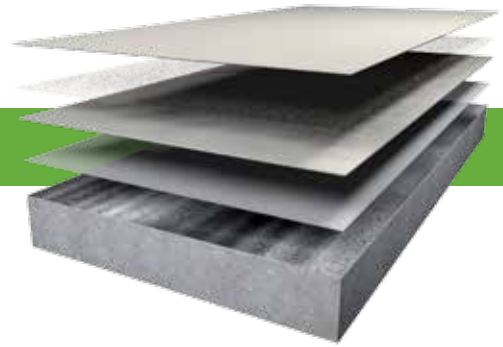
Lay Factory Eco Colorwet EP with a spreader, taking care to smooth and level the surface, with a coverage of ≈ 2.3 kg/m<sup>2</sup>. If necessary, add ≈ 2 – 5% water to the mix to obtain the required consistency.

Seal cracks and gaps using the same epoxy finishing product. Contraction joints must be respected and sealed at a later stage.

While still fresh, dust the whole surface to saturation with Quarzo 1.3, with a coverage of ≈ 2 kg/m<sup>2</sup>. Wait for the product to harden before proceeding with application of the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.

Lay Factory Eco Colorwet EP with a spreader, taking care to smooth the product and even out the surface, with a coverage of ≈ 0.7 kg/m<sup>2</sup>.



#### SYSTEM 6 consumption summary - Breathable multi-layer flooring (1.5 mm):

Product	Consumption	Code	Pack
Factory Eco Base EP	(if necessary) 100 ml/m <sup>2</sup>	01836 Part A	5 kg
		01837 Part B	5 kg
Quarzo 1.3	≈ 2 kg/m <sup>2</sup>	01133	25 kg
Factory Eco Colorwet EP	≈ 3 kg/m <sup>2</sup>	Part A colour code	18 kg
		10988 Part B	3 kg

#### Treatment of joints

All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

#### Special notes

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

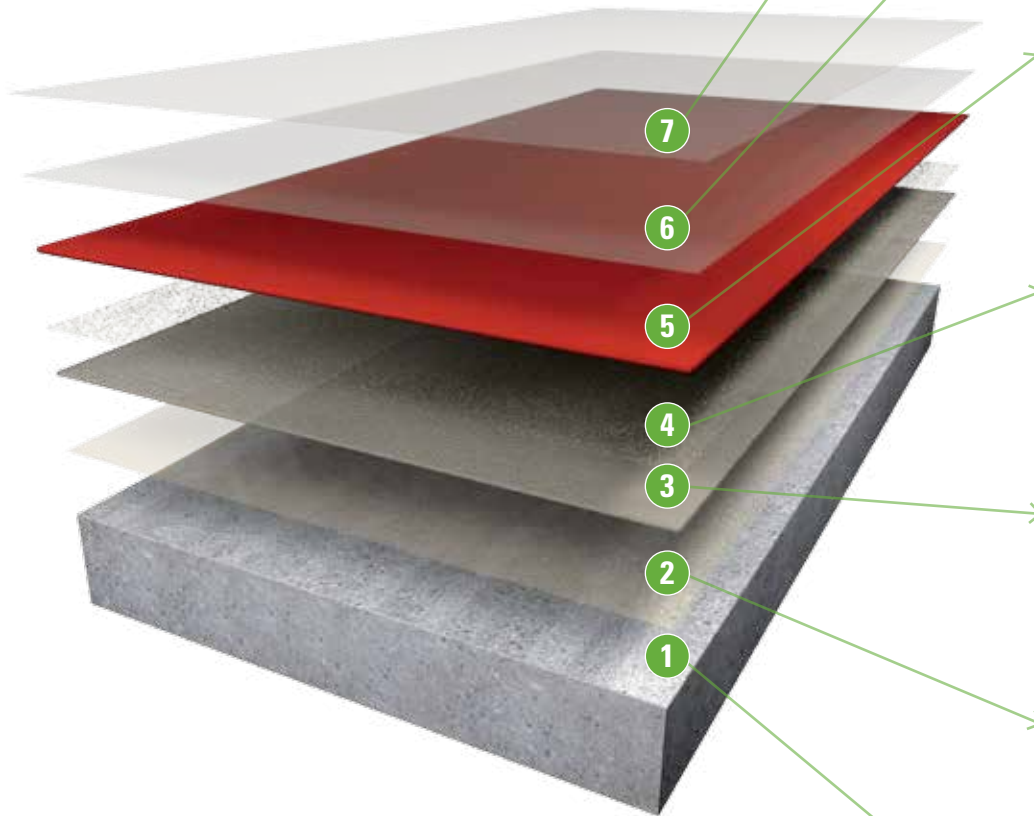
# SYSTEM 7

## APPLIED COAT SELF-LEVELLING



Hardness	●●●●○
Thickness	≈ 3 mm
No. coats	3+2 (optional)
Resistance to abrasion	●●●●○
Resistance to traffic	●●●●○
Substrate type	New Worn Polluted
<b>Waiting time</b>	
Ready for normal use	7 days
Ready for foot traffic	5 days








**System to create coloured applied coatings for concrete industrial floors.**  
**Improves the dust-proofing features of the flooring and makes the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes.**  
**Increases resistance to surface abrasion.**



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1	Concrete substrate



- COLOURED SMOOTH SATIN FINISH
- SUITABLE FOR INDUSTRIAL FLOORS, INCLUDING THOSE THAT ARE WORN, CRACKED AND WITH SURFACE POLLUTION
- IMPERMEABLE TO WATER AND OILS
- SUITABLE FOR LOW INTENSITY INDUSTRIAL TRAFFIC

<p>“Optional” transparent finish ≈ 60 ml/m<sup>2</sup></p>	<p><b>Factory Eco Protection PU</b> Transparent, eco-friendly, water-based organic fluid finish coat for resin floors. Two-component, safeguards the health of the environment.</p>		
<p>“Optional” transparent finish ≈ 60 ml/m<sup>2</sup></p>	<p><b>Factory Eco Protection PU</b> Transparent, eco-friendly, water-based organic fluid finish coat for resin floors. Two-component, safeguards the health of the environment.</p>		<p>▲ waiting time <b>2-4 hrs</b></p>
<p>Coloured self-levelling product ≈ 3,2 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colorflow EP</b> Self-levelling, eco-friendly, high-performance two-component coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>48 hrs</b></p>
<p>Dusting to saturation point ≈ 1,5 kg/m<sup>2</sup></p>	<p><b>Quarzo 1.3</b> Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time <b>12-24 hrs</b></p>
<p>Correction with finishing product ≈ 0,9 - 1,5 kg/m<sup>2</sup></p>	<p><b>Keralevel® Eco Floor</b> Elastic, eco-friendly, organic mineral finishing product for the high-resistance and high-adhesion correction of irregular substrates, whether absorbent or non-absorbent, ideal for use in GreenBuilding. Two-component with reduced solvent content.</p>		
<p>Priming ≈ 200 - 400 ml/m<sup>2</sup></p>	<p><b>Slc® Eco EP21</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.</p>		<p>▲ waiting time <b>1-4 hrs</b></p>
<p>Shot peening</p>	<p><b>Preparation of the substrate</b> <b>Shot Peening:</b> treatment carried out using a machine that advances at an adjustable speed, projecting spherical metallic aggregates onto the substrate and fitted with a suction device that recovers the abrasive elements and eroded material and separates them.</p>		<p>Time</p>

## APPLIED COAT

### SELF-LEVELLING

#### DATA SHEET

**System to create coloured applied coatings for concrete industrial floors. Improves the dust-proofing features of the flooring and makes the floor impermeable to water, oils, hydrocarbons and liquids used for food purposes. Increases resistance to surface abrasion.**

#### Areas of use

Coating of smoothed or dry-shake quartz finished concrete floors in offices, laboratories, machining areas, fork lift truck transit areas. Suitable for newly constructed, slightly worn and/or superficially polluted concrete floors. Not recommended for high levels of industrial traffic. Not suitable as a waterproofing system. For internal use.

#### Substrate

The resin flooring substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable, compact, must have already completed the hygrometric shrinkage curing period and must be free from residual moisture rising (max 2% for traditional screeds, 3% for concrete floors) or in counterthrust. The substrates must be mechanically prepared. After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

#### Preparation of substrates

The substrates must be free from oil, grease, deeply absorbed layers of pollution, loose, flaky or imperfectly anchored parts. They must be prepared by shot peening and dust must be thoroughly removed using a suitable vacuum cleaner. Control joints must be cut or opened, cleaned and all dust removed.

#### Application

Priming of the screed with Slc® Eco EP21 diluted with Keragrip Eco Pulep by up to 30% according to the absorbency of the substrate. Apply evenly with a brush or roller in a single coat, at a coverage of ≈ 200 ml/m<sup>2</sup> (≈ 400 – 600 ml/m<sup>2</sup> in case of in-depth consolidation) taking care to remove any build-up.

Wait for the product to be absorbed completely and for any solvents to have fully evaporated before applying the next coat.

Application of Keralevel® Eco Floor over the whole surface using a spreader, to level and even out the substrate, coverage on screed ≈ 0.9 kg/m<sup>2</sup> (≈ 1.5 kg/m<sup>2</sup> per mm thickness).

Dust the surface to saturation while still fresh with Quarzo 1.3, at a coverage of ≈ 1.5 kg/m<sup>2</sup>, and wait for the product to harden before applying the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.

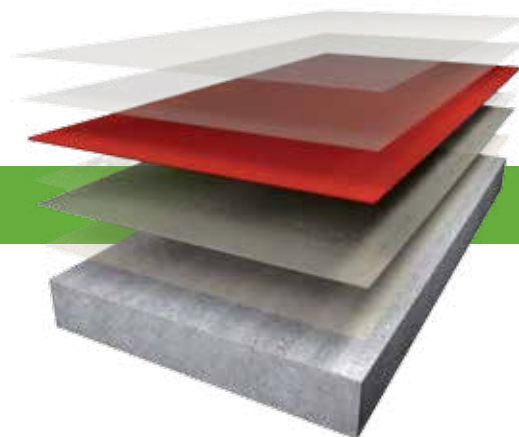
Apply Factory Eco Colorflow EP with a coverage of ≈ 3.2 kg/m<sup>2</sup> per 2 mm of thickness. Do not apply less than 2 mm: when applying thicker layers, consider a coverage of 1.6 kg/mm/m<sup>2</sup>. If necessary, wait at least 48 hours before applying the next coat.

#### ***“Optional” transparent opaque finish (only to be used for offices, shops, show-rooms)***

Sand the surface with a mechanical buffer fitted with an abrasive mesh, grain size 220. Vacuum up the dust produced.

Apply a first coat of Factory Eco Protection PU using a roller, with a coverage of ≈ 60 ml/m<sup>2</sup> and wait until the floor is perfectly able to take foot traffic.

Apply a second coat of Factory Eco Protection PU using a roller, with a coverage of ≈ 60 ml/m<sup>2</sup>.



### SYSTEM 7 consumption summary - Self-levelling (3 mm):

Product	Consumption	Code	Pack
<b>Slc® Eco EP21</b>	≈ 0,2 ℓ/m <sup>2</sup>	11207 Part A	4x5 ℓ
		05152 Part B	4x2 ℓ
<b>Keralevel® Eco Floor</b>	(on "closed" substrate) ≈ 0,9 kg/m <sup>2</sup>	06640 Part A	9,25 kg
		06641 Part B	4x0,75 kg
<b>Quarzo 1.3</b>	≈ 1,5 kg/m <sup>2</sup>	01133	25 kg
<b>Factory Eco Colorflow EP</b>	≈ 3,2 kg/m <sup>2</sup>	Part A colour code	12 kg
		05289 Part B	2x2 kg
<b>Factory Eco Protection PU</b>	"optional" ≈ 0,12 ℓ/m <sup>2</sup>	06670 A*B Opaque	2x5+2x1 ℓ

### Treatment of joints

All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

### Special notes

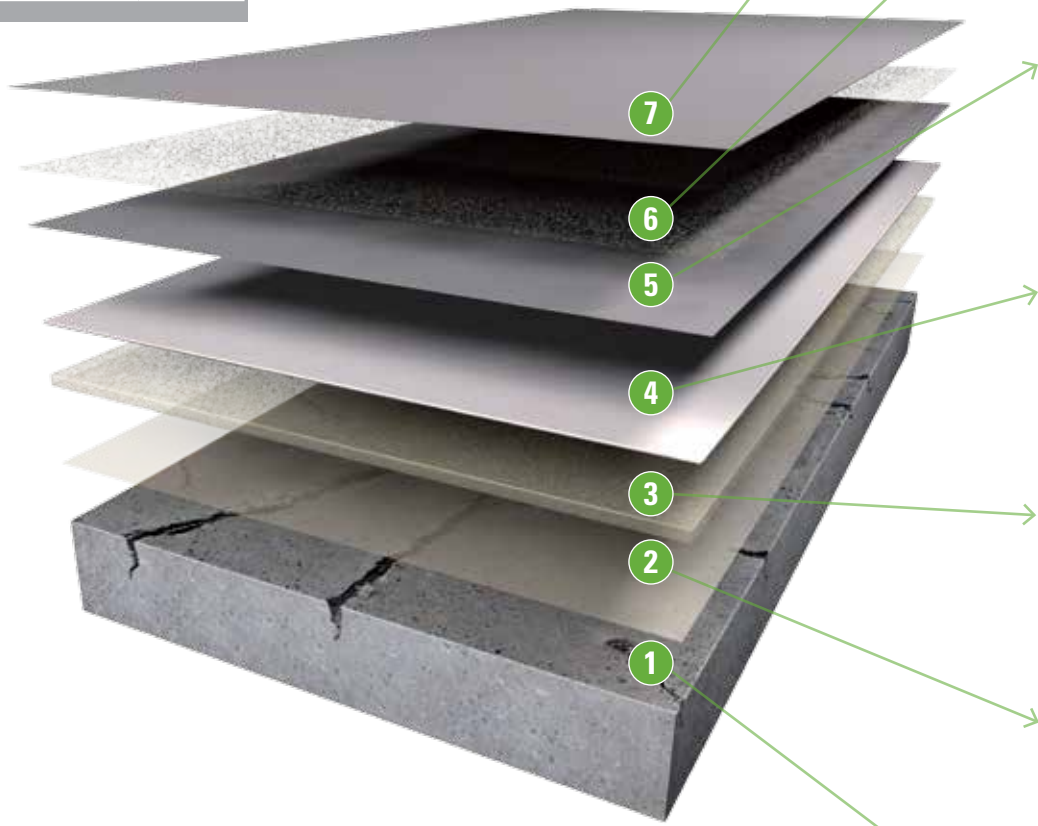
As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

# APPLIED COAT RESIN-BASED MORTAR



Hardness	●●●●●
Thickness	> 5 mm
No. coats	5
Resistance to abrasion	●●●●○
Resistance to traffic	●●●●●
Substrate type	New Worn Polluted Weakened
<b>Waiting time</b>	
Ready for normal use	7 days
Ready for foot traffic	4 days

**System to create coloured applied coatings for concrete industrial floors.**  
**Increases the mechanical resistance of the support and the resistance to surface abrasion.**  
**Makes floor impermeable to water, oil, hydrocarbons and liquids used for food purposes.**



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**Concrete substrate**

- COLOURED SEMI-GLOSS TEXTURED FINISH. NON-SLIP FINISH OPTION
- SUITABLE FOR INDUSTRIAL FLOORING, INCLUDING WORN, CRACKED, WEAKENED AND POLLUTED FLOORS
- IDEAL FOR HIGH THICKNESS CORRECTIONS AND FOR THE FORMATION OF SLOPES
- IMPERMEABLE TO WATER AND OILS
- SUITABLE FOR MEDIUM-HIGH INTENSITY INDUSTRIAL TRAFFIC

<p>Coloured finish ≈ 0,12 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colormaxi EP</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.</p>		
			
<p>“Optional” dusting to create a non-slip finish ≈ 1,5 kg/m<sup>2</sup></p>	<p><b>Quarzo 1.3</b> Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		<p>▲ waiting time 16-24 hrs</p>
			
<p>Coloured finish ≈ 0,4 kg/m<sup>2</sup> : 0,4 kg/m<sup>2</sup></p>	<p><b>Factory Eco Colormaxi EP : Quarzo 1.3</b> Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.</p>		
	<p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		
<p>Smoothing 0,4 kg/m<sup>2</sup> : 0,4 kg/m<sup>2</sup></p>	<p><b>Slc® Eco EP21 : Quarzo 1.3</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.</p>		<p>▲ waiting time 12-24 hrs</p>
	<p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		
<p>Epoxy mortar ≈ 200 ml/mm/m<sup>2</sup> : 1,6 kg/mm/m<sup>2</sup></p>	<p><b>Slc® Eco EP21 : Quarzo 5.12</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.</p>		<p>▲ waiting time 24 hrs</p>
	<p>Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.</p>		
<p>Priming ≈ 0,4 l/m<sup>2</sup></p>	<p><b>Slc® Eco EP21</b> Certified, eco-friendly, organic resin for the consolidation of absorbent substrate, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.</p>		
			
<p>Milling</p> 	<p><b>Preparation of the substrate</b> <b>Milling or scarification:</b> treatment carried out using a machine fitted with a multi-shaft drum rotating on the horizontal axis and fitted with metal tools. The ability to adjust the drum means that the depth of the operation can be pre-set.</p>		<p>Time</p>

## APPLIED COAT

## RESIN-BASED MORTAR

## DATA SHEET

**System to create coloured applied coatings for concrete industrial floors. Increases the mechanical resistance of the support and the resistance to surface abrasion. Makes floor impermeable to water, oil, hydrocarbons and liquids used for food purposes.**

**Areas of use**

Coating of smoothed or dry-shake quartz finished concrete floors in offices, laboratories, machining areas, fork lift truck transit areas. Suitable for newly constructed concrete floors, or weakened, severely worn, polluted and/or uneven concrete floors. Not suitable as a waterproofing system. For internal use.

**Substrate**

The resin flooring substrate must be of a thickness suitable for the loads to which it will be subjected, and must be stable, non-deformable, compact, and must be free from residual moisture rising (max 2% for traditional screeds, 3% for concrete floors) or in counterthrust. The substrates must be mechanically prepared. After cleaning and preparation, the substrates must have a surface tear strength under UNI 8298-1, > 1.5 N/mm<sup>2</sup> and a compressive strength in compliance with UNI 9189, UNI 6132, UNI 10157, > 25 N/mm<sup>2</sup>.

**Preparation of substrates**

The substrates must be prepared by milling to remove polluted layers or weakened parts, and all dust must then be removed using a suitable vacuum cleaner.

**Application**

Prime the absorbent substrate with Slc<sup>®</sup> Eco EP21, with a coverage of  $\approx 400$  ml/m<sup>2</sup>.

While the product is still fresh, patch with epoxy mortar obtained by mixing the two-component epoxy binding agent Slc<sup>®</sup> Eco EP21 with Quarzo 5.12 in a ratio of 1 part Slc<sup>®</sup> Eco EP21 to 8 parts Quarzo 5.12, with a coverage of  $\approx 200$  ml/mm/m<sup>2</sup> for Slc<sup>®</sup> Eco EP21, and  $\approx 1,6$  kg/mm/m<sup>2</sup> for Quarzo 5.12, taking care to create a thickness  $\geq 5$  mm. Wait for the epoxy mortar to harden before proceeding with application of the next coat.

Finish with a spreader, using Slc<sup>®</sup> Eco EP21 mixed with Quarzo 1.3 in a ratio of 1 : 1, with a coverage of  $\approx 400$  ml/m<sup>2</sup> of Slc<sup>®</sup> Eco EP21 and  $\approx 400$  g/m<sup>2</sup> of Quarzo 1.3. Wait for the product to harden before proceeding with application of the next coat.

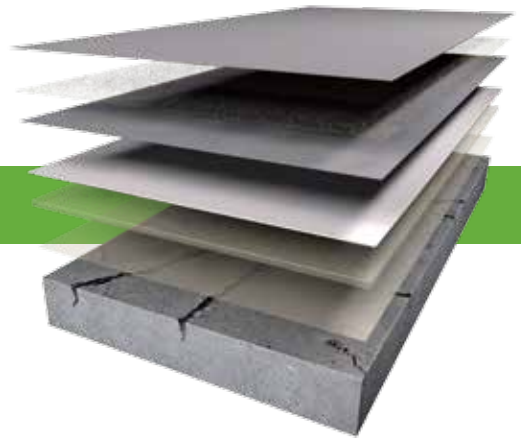
Using a spreader, apply Factory Eco Colormaxi EP mixed with Quarzo 1.3 at a ratio of 1:1, with a coverage of  $\approx 400$  g/m<sup>2</sup> of Factory Eco Colormaxi EP and  $\approx 400$  g/m<sup>2</sup> of Quarzo 1.3. Wait for the product to harden before proceeding with application of the next coat.

Sanding to even up the floor and remove any ridges.

(\*) For a coating with a non-slip effect, dust the surface to saturation while still fresh with Quarzo 1.3, at a coverage of  $\approx 1.5$  kg/m<sup>2</sup>, and wait for the product to harden before applying the next coat.

Removal of any excess quartz and subsequent sanding to even up the floor.

Application by roller of Factory Eco Colormaxi EP with a coverage of  $\approx 120$  g/m<sup>2</sup> (if necessary dilute by 5% with Slc<sup>®</sup> Eco DD).



### SYSTEM 8 consumption summary - Resin-based mortar

Product	Consumption	Code	Pack
<b>Slc® Eco EP21</b>	0,8 ℓ/m <sup>2</sup> + 0,2 ℓ/mm/m <sup>2</sup>	11207 Part A	4x5 ℓ
		05152 Part B	4x2 ℓ
<b>Quarzo 5.12</b>	≈ 1,6 kg/mm/m <sup>2</sup>	01132	30 kg
<b>Quarzo 1.3</b>	≈ 0.8 kg/m <sup>2</sup> + (*1.5 kg/m <sup>2</sup> for "optional" dusting)	01133	25 kg
<b>Factory Eco Colormaxi EP</b>	≈ 0,52 kg/m <sup>2</sup>	Part A colour code	10 kg
		02903 Part B	2x3 kg

### Treatment of joints





























































All the dynamic contraction and construction joints must be cut, prepared by inserting a suitable sub-joint layer and sealed with Fugabella® Eco PU 40.

### Special notes

As it is not possible to intervene directly on site conditions and on execution of the works, these indications refer exclusively to the technical characteristics of the products supplied, and not on the work required to install them. The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging. Make sure that the products are not tampered with and that they are stored in compliance with the indications on the packaging and in the technical sheets.

# GUIDE TO THE CHOICE OF SYSTEMS

## GUIDE TO THE CHOICE OF SYSTEMS ACCORDING TO THE TYPE AND INTENSITY OF TRAFFIC FORESEEN

	Low intensity	Medium intensity	High intensity
<b>SYSTEM 1</b> IMPREGNATION	  	   *	  *  *
<b>SYSTEM 2</b> THIN FILM	 	  *	 *
<b>SYSTEM 3</b> THICK FILM	 	 	
<b>SYSTEM 4</b> MULTI-LAYER FLOORING 1.5	   *	   *	  *
<b>SYSTEM 5</b> MULTI-LAYER FLOORING 3.0	  	   *	   *
<b>SYSTEM 6</b> BREATHABLE MULTI-LAYER FLOORING	   *	  *	  *
<b>SYSTEM 7</b> SELF-LEVELLING	  	   *	 
<b>SYSTEM 8</b> RESIN-BASED MORTAR	  	  	   *

### Legend



FOOT TRAFFIC



VEHICULAR TRAFFIC



INDUSTRIAL TRAFFIC

N.B. All resin-based systems are subject to wear and require special maintenance.

\* Use subject to periodic replacement or maintenance



## GUIDE TO THE CHOICE OF SYSTEMS AND RELAVANT PREPARATION OF THE SUBSTRATE ACCORDING TO THE EXISTING SUBSTRATE TYPE AND LEVEL OF CONSERVATION

	New concrete floor	New concrete floor with stable crazing and slight surface irregularities	Slightly worn concrete floor	Worn concrete floor, with stable cracks, slightly polluted	New or worn concrete floor that is damp or with possible moisture rising	Deteriorated, polluted concrete floor
<b>SYSTEM 1</b> IMPREGNATION	POWER WASHING					
	SANDING					
<b>SYSTEM 2</b> THIN FILM	SANDING					
	SMOOTHING					
<b>SYSTEM 3</b> THICK FILM	SMOOTHING	SMOOTHING				
<b>SYSTEM 4</b> MULTI-LAYER FLOORING 1.5	SMOOTHING	SMOOTHING	SMOOTHING			
<b>SYSTEM 5</b> MULTI-LAYER FLOORING 3.0	SMOOTHING	SMOOTHING	SMOOTHING	SHOT PEENING		
<b>SYSTEM 6</b> BREATHABLE MULTI-LAYER FLOORING	SHOT PEENING	SHOT PEENING	SHOT PEENING	SHOT PEENING	SHOT PEENING	
<b>SYSTEM 7</b> SELF-LEVELLING	SHOT PEENING	SHOT PEENING	SHOT PEENING	SHOT PEENING		
<b>SYSTEM 8</b> RESIN-BASED MORTAR	MILLING	MILLING	MILLING	MILLING		MILLING

### Legend

**Sanding:** treatment carried out using a machine fitted with a rotating plate supporting an abrasive fabric, paper or mesh disk.  
Suitable for newly constructed, smooth concrete floors.  
Gives a smooth substrate and slightly increases the level of absorption.

**Power washing:** treatment carried out using a jet of water, preferably at high temperature, at a pressure in excess of 25 MPa and if necessary with the aid of specific detergents in the presence of oily substances.  
Suitable for newly constructed, smooth concrete floors.  
Gives a smooth, clean, dust-free substrate.

**Smoothing or grinding:** treatment carried out using a machine rotating on its vertical axis with plates to which abrasive tools are fixed.  
Suitable for newly constructed or slightly worn, smooth concrete floors. Gives a slightly rough substrate and increases the level of absorption.

**Shot peening:** treatment carried out using a machine that advances at an adjustable speed, projecting spherical metallic aggregates onto the substrate and fitted with a suction device that recovers the abrasive elements and eroded material and separates them.  
Suitable for smooth, worn concrete floors, with tenacious residue or surface pollution. Gives a rough substrate and increases the level of absorption.

**Milling or scarification:** treatment carried out using a machine fitted with a multi-shaft drum rotating on the horizontal axis and fitted with metal tools.  
The ability to adjust the drum means that the depth of the operation can be pre-set.  
Suitable for weakened, worn and polluted concrete floors.  
Gives an extremely rough and highly absorbent substrate.

# Slc® Eco EP21

**Certified, eco-friendly, organic resin for the consolidation of absorbent substrates and the waterproofing of absorbent mineral or cement-based substrates with high residual humidity, ideal for use in GreenBuilding. Two-component, solvent-free and with very low volatile organic compound emissions, safeguards the health of operators.**

Slc® Eco EP21 raises the mechanical resistance of inconsistent substrates and waterproofs them to protect hardwood floors from residual humidity, for a 100% eco-friendly safe laying.



Code	Pack
11207	Part A 4x5 l
05152	Part B 4x2 l
	Part A + Part B

### GREENBUILDING RATING®

**Slc® Eco EP21**  
 - Category: Liquid organic products  
 - Class: Organic Waterproofing Products  
 - Rating: Eco 3

	 Low Emission Indoor Air Quality	 Water Based	 Solvent Reduced Solvent < 80 g/l kg	 Low Ecological Impact	 Health Care
	 Very low VOC emissions	 Solvent-free	 Non-toxic and non-hazardous		

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

### PRODUCT STRENGTHS

- 100% dry residue
- Very high consolidating power
- Specifically intended for low-absorption substrates
- Ideal for applications in poorly ventilated areas and in renovation work
- Suitable for the consolidation of substrates even with underfloor heating systems
- Up to 5% CM high residual humidity waterproofing product for use prior to laying of hardwood floors and resilient materials

### ECO NOTES

- Improved on-site safety guaranteed

### PERFORMANCE

VOC INDOOR AIR QUALITY (IAQ) - VOLATILE ORGANIC COMPOUND EMISSIONS		
Conformity	EC 1-R plus GEV-Emicode	GEV certified 2472/11.01.02
<b>HIGH-TECH</b>		
Viscosity of the mixture	≈ 300 mPa · s, rotor 2 RPM 20	Brookfield method
Mixing ratio	Part A : Part B = 2,5 : 1	
Dilution	Keragrip Eco Pulep (max 30%)	
Temperature range for application	from +10 °C to +35 °C	
Pot life	≈ 30 min.	
Open time	≈ 30 min.	
Waiting time between the coats	≈ 4 – 12 hrs	
Waiting time for next application	≈ 24 hrs	

\* ÉMISSION DANS L'AIR INTÉRIEUR Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

# Keralevel® Eco Floor

Elastic, eco-friendly, organic mineral finishing product for the high-resistance and high-adhesion correction of irregular substrates, whether absorbent or non-absorbent, ideal for use in GreenBuilding. Two-component with reduced solvent content.

Keralevel® Eco Floor can be used to level and repair cracks in flooring, guaranteeing an ideal surface for subsequent application of resilient materials, hardwood floors and resin coatings.



Code	Pack
06640	Part A 9,25 kg
06641	Part B 4x0,75 kg
	Part A + Part B

## GREENBUILDING RATING®

### Keralevel® Eco Floor

- Category: Organic Mineral Products
- Class: Mineral Levelling Products
- Rating: Eco 2

	Natural mineral content 40%		Reduced solvent content 4,8 g/kg		

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

## PRODUCT STRENGTHS

- Ideal in Factory systems
- For internal use
- Thicknesses from 1 to 5 mm
- Suitable for overlaying on stable, non-absorbent substrates
- Ideal in renovation work



## ECO NOTES

- Formulated with locally-sourced minerals meaning lower greenhouse gas emission during transportation

## PERFORMANCE

### HIGH-TECH

Viscosity	≈ 120,000 mPa · s, rotor 93 RPM 50	Brookfield method
Temperature range for application	from +10 °C to +30 °C	
Pot life	≈ 30 min.	
Tensile adhesion to concrete after 28 days	≥ 2,5 MPa	EN 1323
Elastic modulus after 7 days	≥ 0,035 Kn/mm <sup>2</sup>	EN ISO 178
Elastic modulus after 28 days	≥ 0,037 Kn/mm <sup>2</sup>	EN ISO 178
Foot traffic / Overlaying +10 °C	16 hrs	
Foot traffic / Overlaying +15 °C	12 hrs	
Foot traffic / Overlaying +20 °C	6 hrs	
Ultimate elongation after 28 days	≥ 4,5%	ISO 527-2
Shore A hardness at 23 °C	70	

# Factory Eco Colormaxi EP

**Multi-purpose, eco-friendly, high-performance coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, safeguards the health of operators.**

Factory Eco Colormaxi EP is specifically designed to create coloured resin-based film, multi-layer and mortar coatings with variable chemical and mechanical strengths according to the cycles selected and the thickness applied.



Code		Pack
	Part A	Coloured A 10 kg
	Part A	Coloured B 10 kg
02903	Part B	2x3 kg

\* for colours in range A and range B see page 42

**GREENBUILDING RATING®**

**Factory Eco Colormaxi EP**  
 - Category: Organic Mineral Products  
 - Class: Laying resin-based coating materials  
 - Rating: Eco 1


Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**ECO NOTES**

- Improved on-site safety guaranteed

**PRODUCT STRENGTHS**

- For internal use
- Semi-gloss textured finish
- Easy to apply with roller or spreader
- To create film coatings suitable for light traffic, waterproof and resistant to oil, hydrocarbons and liquids used for food purposes
- To create resin-based multi-layer and mortar coatings with a high resistance to scratching and wear, impermeable to water, oil, hydrocarbons and liquids used for food purposes

**PERFORMANCE**

HIGH-TECH		
Pot life	≈ 30 min.	
Temperature range for application	from +10 °C to +30 °C	
Foot traffic	≈ 24 hrs	
Waiting time for overlaying	≈ 24 hrs	
Interval before normal use	≈ 48 hrs	
Compressive strength after 28 days *	≥ 15 N/mm <sup>2</sup>	EN 12808-3
Flexural strength after 28 days *	≥ 16 N/mm <sup>2</sup>	EN 12808-3
Abrasion strength after 28 days *	≤ 60 mg, CS17 abrasive disk, 1,000 rpm, 1,000 g weight	Taber method
Adhesion to concrete after 14 days*	≥ 3 N/mm <sup>2</sup>	

\* average values, may vary according to colour

# Factory Eco Colorflow EP

**Self-levelling, eco-friendly, high-performance two-component coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding.**

Factory Eco Colorflow EP is specific to create coloured, resin-based, self-levelling type coatings, with high mechanical resistance and durability. Impermeable to water, oil, hydrocarbons and liquids used for food purposes.



Code		Pack
	Part A	Coloured A
	Part A	Coloured B
05289	Part B	2x2 kg

\* for colours in range A and range B see page. 42

## GREENBUILDING RATING®

### Factory Eco Colorflow EP

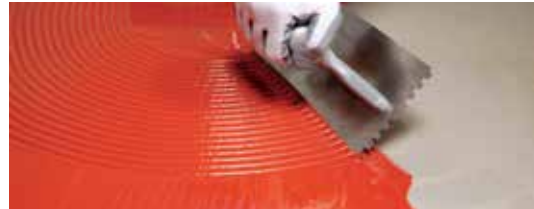
- Category: Organic Mineral Products
- Class: Laying resin-based coating materials
- Rating: Eco 1

eco1	Regional Mineral $\geq 20\%$	Low Emission IAQ VOC Indoor Air Quality	SLV REDUCED Solvent $\leq 5$ g/l	Low Ecological Impact	Health Care
	✓				
Natural mineral content 49%					

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

## PRODUCT STRENGTHS

- For internal use
- Thicknesses from 2 to 4 mm
- Extremely long-lasting monolithic coating material
- Smooth satin finish
- Ready-to-use, ensures constant levels of performance
- Long self-levelling time, also suitable for large surface areas



## ECO NOTES

- Formulated with locally-sourced minerals meaning lower greenhouse gas emission during transportation

## PERFORMANCE

### HIGH-TECH

Pot life	≈ 30 min.	
Temperature range for application	from +10 °C to +30 °C	
Foot traffic	≈ 48 hrs	
Waiting time for overlaying	≈ 48 hrs	
Interval before normal use	≈ 4 days	
Compressive strength after 28 days *	≥ 38 N/mm <sup>2</sup>	EN 12808-3
Flexural strength after 28 days *	≥ 16 N/mm <sup>2</sup>	EN 12808-3
Abrasion strength after 28 days *	≤ 80 mg, CS17 abrasive disk, 1,000 rpm, 1,000 g weight	Taber method
Adhesion to concrete after 14 days*	≥ 4 N/mm <sup>2</sup>	

\* average values, may vary according to colour

# Factory Eco Colorwet EP

**Eco-friendly, highly vapour-permeable coloured organic mineral covering for industrial floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.**

Factory Eco Colorwet EP is specific to create coloured, multi-layer resin-based coatings, on substrates without a vapour barrier or with high residual damp. Impermeable to water and resistant to oil, hydrocarbons and liquids used for food purposes.



GREENBUILDING RATING®					
eco2	Regional Mineral 7.5%	Low Emission IAQ VOC Indoor Air Quality	SLV REDUCED Solvent ≤ 5 g/kg	Low Ecological Impact	Health Care
			Reduced solvent content 0,1 g/kg		Non-toxic and non-hazardous
RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS					

Code		Pack
	Part A Coloured A	18 kg
	Part A Coloured B	18 kg
10988	Part B	3 kg

\* for colours in range A and range B see page. 42

PRODUCT STRENGTHS
<ul style="list-style-type: none"> <li>• Internal, external</li> <li>• Opaque textured finish</li> <li>• Highly permeable to vapour</li> <li>• Ideal for damp environments</li> </ul>

PERFORMANCE		
HIGH-TECH	Waiting time for overlying	≈ 12 hrs
	Interval before normal use	≈ 48 hrs
	Adhesion to concrete after 14 days*	> 4 N/mm <sup>2</sup>
* average values, may vary according to colour		

- **Coverage** first coat ≈ 2 kg/m<sup>2</sup> - second coat ≈ 0.5 – 1 kg/m<sup>2</sup> • **Pallet** 594 kg
- **Shelf life** ≈ 12 months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Factory Eco Base EP

**Transparent, fluid, organic, water-friendly impregnating agent for oil and water-repellent dust-proof treatment of industrial concrete floors, ideal for use in GreenBuilding. Two-component, with reduced solvent content, safeguards the health of operators.**

Factory Eco Base EP creates transparent impregnation incorporated type coats with a high dust-proof effect and low capillary draw. Increases resistance to surface abrasion of industrial concrete floors and reduces the absorption of water and oils.



GREENBUILDING RATING®					
eco3	Low Emission IAQ VOC Indoor Air Quality	Water Based	SLV REDUCED Solvent ≤ 80 g/kg	Low Ecological Impact	Health Care
		Water-based formulation	Reduced solvent content 0,3 g/kg		Non-toxic and non-hazardous
RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS					

Code		Pack
01836	Part A	5 kg
01837	Part B	5 kg

PRODUCT STRENGTHS
<ul style="list-style-type: none"> <li>• For internal use</li> <li>• Semi-gloss smooth finish</li> <li>• Fast and easy to apply, ideal for large surfaces</li> <li>• Specific for use as a primer before application of Factory Eco Colorwet EP</li> </ul>

PERFORMANCE		
HIGH-TECH	Pot life	≈ 1 hr
	Foot traffic	≈ 24 hrs
	Interval before normal use	≈ 48 hrs

- **Coverage** - as impregnating agent ≈ 50 g/m<sup>2</sup> - primer ≈ 100 g/m<sup>2</sup> • **Pallet** 400 kg
- **Shelf life** ≈ 12 months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Factory Eco Color PU

**Coloured, eco-friendly, waterproof and high scratch resistance, water-based organic fluid finish coat, ideal for use in GreenBuilding. Two-component, with reduced solvent content, does not harm the environment.**

Factory Eco Color PU is a coloured finish with high resistance to scratching, resistant to water, oil and liquids used for food purposes, specifically designed to create continuous film coatings on walls.



**GREENBUILDING RATING®**

eco3	Low Emission IAQ VOC Indoor Air Quality	Water Based	SLV REDUCED Solvent ≤ 80 g/l	Low Ecological Impact	Health Care
	✓	✓	✓	✓	✓

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**PRODUCT STRENGTHS**

- For internal use
- Smooth opaque finish
- High coverage
- Guarantees surfaces that are easy to clean and washable

Code		Pack
Part A + Part B	Coloured A	4 + 0,8 kg
Part A + Part B	Coloured B	4 + 0,8 kg

\* for colours in range A and range B see page. 42

• Coverage ≈ 100 - 120 g/m<sup>2</sup> per coat • Pallet 144 kg • Shelf life ≈ 12 months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Factory Eco Protection PU

**Transparent, eco-friendly, water-based organic fluid finish coat for resin floors. Two-component, safeguards the health of the environment.**

Factory Eco Protection PU is a transparent protective finishing product specifically designed to increase the resistance to scratching and abrasion of film, multi-layer, permeable and self-levelling coloured resin-based type floors. Resistant to water, oil, hydrocarbons and liquids used for food purposes.



**GREENBUILDING RATING®**

eco2	Low Emission IAQ VOC Indoor Air Quality	Water Based	SLV REDUCED Solvent ≤ 80 g/l	Low Ecological Impact	Health Care
	✓	✓	✓	✓	✓

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**PRODUCT STRENGTHS**

- For internal use
- Smooth opaque finish
- High protection from scratching and abrasion
- NMP-free
- Compliant with Directive 2004/42/EC

Code		Pack
06670	matt	2x5 l + 2x1 l

• Coverage ≈ 70 - 80 ml/m<sup>2</sup> per coat • Pallet 396 l • Shelf life ≈ 12 months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Factory Flow EP

**Transparent, two-component, self-levelling coat, low yellowing and high transparency for resin floors.**

Factory Flow EP is a self-levelling product with a high level of specific transparency to give resin floors a strong feeling of depth and three-dimensional structure. Impermeable to water, oil, and liquids used for food purposes.



**GREENBUILDING RATING®**

Product with none of the requisites of the GreenBuilding Rating® and must be used with care. Kerakoll® undertakes to improve the ratings of Ecozero materials and products

eco zero

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

**PRODUCT STRENGTHS**

- For internal use
- Thicknesses from 1.5 to 3 mm
- Suitable for impregnation and low-yellowing consolidation of absorbent mineral substrates

Code		Pack
11198	Part A	2x5 kg
11199	Part B	2x3 kg

• Coverage ≈ 2 - 4 kg/m<sup>2</sup> • Pallet 144 kg • Shelf life ≈ 12 months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Factory Eco Epofast

**Eco-friendly, fluid, organic additive, specifically designed to accelerate hardening of Slc® Eco EP21, ideal for use in GreenBuilding. Single-component, with reduced solvent content, safeguards the health of both operators and the environment.**

Factory Eco Epofast is specifically designed to activate the catalytic reaction of Slc® Eco EP21, accelerating the hardening times of consolidating treatments, resin-based mortars and epoxy screeds, reducing the waiting time before application of successive layers.



**GREENBUILDING RATING®**

			✓	✓	✓

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS



<b>Code</b>	<b>Pack</b>
06595	4x160 g

**PRODUCT STRENGTHS**

- Internal, external
- Fluid single-component product, it guarantees fast, easy mixing
- Ideal even in low temperature applications

• **Coverage** ≈ 20 – 40 g/kg Slc® Eco EP21 • **Shelf life** ≈ 12 months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Factory Tixolight

**Ultra-light, single component thickening additive, specific to render Slc® Eco EP21 thixotropic .**

Factory Tixolight is specifically designed to give Slc® Eco EP21 a highly thixotropic rheology, ideal to carry out perfectly level and drip-free filling, grouting and finishing of vertical surfaces.



**PRODUCT STRENGTHS**

- Internal, external
- Extremely easy to mix
- Thickens without becoming heavy, guaranteeing flat, drip-free joints and finishing coats



<b>Code</b>	<b>Pack</b>
06545	1 kg

• **Coverage** ≈ 100 – 150 g/kg Slc® Eco EP21 • **Pallet** 120 kg • **Shelf life** ≈ 12 months

# Net 90

**Alkali-resistant fibreglass reinforcing mesh to strengthen synthetic and mineral finishing coats.**

Net 90 is specifically designed as a reinforcement for finishing coats using Keralevel® Eco Floor in the presence of uneven or cracked substrates.



**PRODUCT STRENGTHS**

- Internal, external
- High elastic and mechanical resistance
- Quick and easy to apply
- Without memory effect

<b>Code</b>	<b>Pack</b>
12189	50 m

• **Pallet** 1800 m



# Quarzo

Eco-friendly, calibrated, controlled granulometry mineral quartz, washed and free of organic impurities, perfectly dry, ideal for use in GreenBuilding.



## PRODUCT STRENGTHS

- Quarzo 1.3 is ideal as a structural filler and for tacking in multi-layer and self-levelling Factory systems
- Quarzo 5.12 is ideal as a dry-shake adhesion promoter on fresh Slc® Eco EP21, Slc® Eco PU31, Slc® Eco 3CW and as a structural filler in synthetic finishing coats, in epoxy screeds and in the Factory resin-based mortar system

Code		Pack
01133	Quarzo 1.3	25 kg
01132	Quarzo 5.12	30 kg

## PERFORMANCE

HIGH-TECH		
	Quarzo 1.3	when used for tacking $\approx 1,5 - 2 \text{ kg/m}^2$
		when used as a filler 1 resin : 1 Quarzo 1.3
	Quarzo 5.12	when used for tacking $\approx 1,5 - 2 \text{ kg/m}^2$
		when used as a filler 1 resin : 7 - 14 Quarzo 5.12 depending on the consistency required

- Pallet 1500 kg (Quarzo 1.3) – 1800 kg (Quarzo 5.12)
- Unlimited shelf life

# Fugabella® Eco PU 40

Eco-friendly, polyurethane, thixotropic organic sealant with a high level of resistance to abrasion for fractionizing joints, ideal for use in GreenBuilding. Safeguards the health of the environment.

Fugabella® Eco PU 40 develops high surface hardness, guaranteeing the watertightness of seals under the most extreme levels of thermal and mechanical stress in industrial and commercial flooring subject to heavy traffic.



Code		Pack
10810	03 - Pearl Grey	12x310 ml
10812	04 - Iron Grey	12x310 ml
10814	05 - Anthracite	12x310 ml
10816	08 - Bahama Beige	12x310 ml

## GREENBUILDING RATING®

\* Rating based on average colour formulations


RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

## PRODUCT STRENGTHS

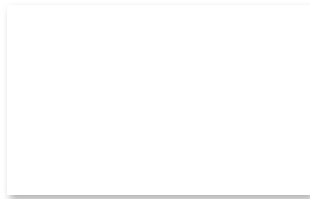
- Walls and floors, for internal and external use, suitable for painting
- Suitable for porcelain and ceramic tiles
- High level of adhesion to absorbent and non-absorbent surfaces

## PERFORMANCE

HIGH-TECH			
	Max. allowed movement	$\leq 10\%$	ISO 9046
	Joint width	from 6 mm to 35 mm	
	Temperature range for application	from +5 °C to +35 °C	
	Curing time	$\approx 1 \text{ hr}$	
	Reticulation time	$\approx 4 \text{ mm} / 24 \text{ hrs}$	

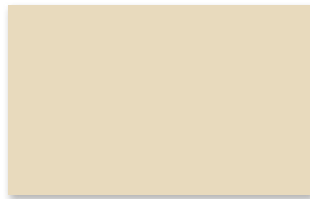
- Coverage  $\approx 3 \text{ m}$  (joint 10x10 mm) with 1 cartridge (310 ml) • Pallet 936 pcs.
- Shelf life  $\approx 12$  months in the original packaging, protect from frost, avoid direct exposure to sunlight and sources of heat

# Colours - Resin-based Coating materials



**RAL 9003**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Color PU B



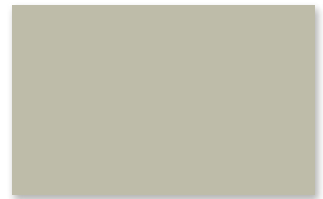
**RAL 1013**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**RAL 7040**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**RAL 7044**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



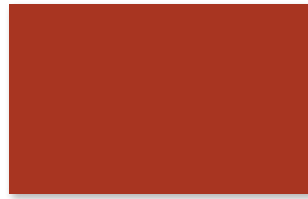
**RAL 7047**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**Yellow**

Factory Eco Colorflow EP A  
 Factory Eco Colormaxi EP A  
 Factory Eco Colorwet EP A  
 Factory Eco Color PU A



**RAL 3013**

Factory Eco Colorflow EP A  
 Factory Eco Colormaxi EP A  
 Factory Eco Colorwet EP A  
 Factory Eco Color PU A



**RAL 3009**

Factory Eco Colorflow EP A  
 Factory Eco Colormaxi EP A  
 Factory Eco Colorwet EP A  
 Factory Eco Color PU A



**RAL 8025**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**RAL 7037**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**RAL 6032**

Factory Eco Colorflow EP A  
 Factory Eco Colormaxi EP A  
 Factory Eco Colorwet EP A  
 Factory Eco Color PU A



**RAL 6029**

Factory Eco Colorflow EP A  
 Factory Eco Colormaxi EP A  
 Factory Eco Colorwet EP A  
 Factory Eco Color PU A



**RAL 5012**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**RAL 5010**

Factory Eco Colorflow EP A  
 Factory Eco Colormaxi EP A  
 Factory Eco Colorwet EP A  
 Factory Eco Color PU A



**RAL 7031**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B



**RAL 7043**

Factory Eco Colorflow EP B  
 Factory Eco Colormaxi EP B  
 Factory Eco Colorwet EP B  
 Factory Eco Color PU B

The hues shown are intended as an indication only.  
 The product feasibility is indicated for each shade.



## Factory systems



**KERAKOLL**  
The GreenBuilding Company

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