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## COLLEDANI E30 SL

**Neutral or coloured epoxy treatment for industrial/residential floors  
two-component - solvent free**

### **Description**

**Colledani E30 SL** is a low viscosity, self levelling, solvent free, two-component epoxy treatment designed to create resin dressings with an attractive smooth or non-slip surface finish. It can be applied at thicknesses of 1.5-3.0 mm. It is resistant to chemicals and abrasion, suitable for both self-levelling and multi-layer systems. After application, surfaces are flat and have an attractive finish.

**Colledani E30 SL** is made up with special resins and selected filler. Thus it gains excellent resistance to wear and chemicals.

### **Fields of application**

As a self-levelling floor, **Colledani E30 SL** is suitable for industrial and residential floors, warehouses, laboratories, offices, recreational areas, and canteens.

It is also used for food processing industry.

Its conduction ability makes it congenial for warehouses, electronic production areas, laboratories, etc.

### **Application guidelines**

**Colledani E30 SL** must be applied with a trowel, taking care of spreading accurately the required quantity of compound. Right after the application, it is advisable to pass repeatedly over the surface with a bubble breaker.

#### **a) Substrate preparation**

To obtain a good aesthetic and mechanical performance, the preparation of substrate is essential and its cohesive bond strength should be at least 1,5 MPa.s.

Cement laitance present on the surface must be eliminated mechanically by shot-blasting or grinding. Any cracks must be repaired, as well as deteriorated areas.

Before applying COLLEDANI E30SL, any dust present on the substrate must be completely removed.

**Colledani s.r.l. Via Venceslao Menazzi Moretti - Z.A.P. - 33037 Pasian di Prato (UD)**

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#### **b) Priming**

Apply one part of Colledani E30 SL (added with solvent epoxy 10%) mixed with 0.4 parts of quartz using a smooth trowel.

If **Colledani E30 SL Conductive** kind is used, it is necessary to use **Conductive Primer** until the surface is completely saturated.

The fresh surface of primer must be sprinkled with quartz to guarantee a perfect bonding of the following resin dressing coats.

#### **c) Preparation and application of the product**

**Colledani E30 SL** is made up by two components (catalyst and resin) which must be mixed, simply pouring the content of one on the other, together with the colorant paste. The new compound must be stirred with a low-speed drill to avoid air entrapment, until a lump-free homogenous mix is obtained.

The mix must be added with quartz filler at a ratio up to max 100% in weight.

Spread the compound evenly with a notched trowel, and pass over the surface while still fresh with a bubble breaker to completely eliminate any air entrapped in the product.

#### **Storage**

This product must be stored in its original packing in a dry place, and at a temperature of at least +5°C.

#### **Handling and safety**

The components can cause irritation or burns if they come into contact with eyes or skin. It is therefore recommended to use protective gloves and goggles when handling and using the products. Use in well ventilated areas and protect from vapours.

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## COLLEDANI E 30 SL TECHNICAL DATA

PRODUCT DESCRIPTION		
Colour		RAL chart
Viscosity	mPa·s	1100 ± 200
Density	g/cm <sup>3</sup>	1,25 ± 0,05
Solids content	%	99,5
APPLICATION DATA (at + 23° C and 50% R.H.)		
<b>Common blend</b>		
Consumption (no filler-added mix) equal to 1000 µm	g/m <sup>2</sup>	1250
<b>Conductive blend</b>		
Consumption (no filler-added mix) equal to 1500 µm	g/m <sup>2</sup>	1950 max
Pot life at 25° C	30	minutes
Mixing ratio	component A : component B = 3 : 1	
Application temperature range	+10° + 30° C	
FINAL PERFORMANCE		
Compressive strength	> 60	mPa·s
Flexural strength	> 25	mPa·s
Grip strength	> 30	mPa·s
Full cure	10	days
Working time 10 kg unit at 20° C	40 minutes	
Step-on time at 23° C	18-36 h	
<b>Conductive product</b>		
Surface electric strength UNI 8298 p. 10°	0,1 ÷ 1,0	M ohm
Electric strength through the coating UNI 8298 p. 10°	0,03 ÷ 0,5	M ohm
Fire resistance UNI 9177	class : 1	

### WARNING:

Conductivity measured on screeds different from concrete can lead to very discrepant results from what stated above. When applying Colledani E30 SL Conductive kind, never exceed 1.4 mm thickness. On the contrary, results will be very altered.

Indications given above come from the company's current knowledge and experience. They must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use the product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use. Colledani S.r.l. reserves the right to change technical characteristics, descriptions and specifications anytime.

PRODUCT FOR PROFESSIONAL USE.

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