

RESINA F5000

Epoxy, high solid, self-levelling resin crystal clear, for 5/6 mm max thickness each layer

Product's Characteristics

RESINA F5000 is a self-levelling transparent coating made of epoxy resin ideal to the achievement of high thickness coating. It's a shiny product used for the decoration of floors without joints and finishing of high prestige and elegance. For a right application of RESINA F5000 ambient and surface temperature hasn't to be lower than 15 °C and air humidity has to be at 60% because of in the presence of lower temperatures and higher humidity reaction time could be notably lengthen and abnormalities may take place over the final outcome. Before the application, using the proper HYGROMETER, is advisable to check exciting damp over the surface, that has to be absent or, anyway, lower than 4%.

Possible Uses

RESINA F5000 is used as surface finishing for decorations, drawings, photographs or to englobe high thickness inserts. It's ideal for every kind of surface and could be also used to fix colorants, glitter, pearlescent powders or aluminium powders to create particular decorations and tricks of lights and reflections. The coating is strength against also hard pedestrian crossing. Being a very shine topcoat, opacification maybe takes place in case of heavy crossing.

Support's Preparation

Basic condition for a good application of RESINA F5000 is that surfaces are dry. Supports have to be well prepared and smooth because too structured surfaces could cause the formation of air bubbles during the application of RESINA F5000.

Product's Preparation

Two components product that have to be well mixed before the use. Mix part A with part B using a low speed mechanical stirrer taking care that the two components will be completely homogenized, paying attention to not englobe air during the mixing that could cause bubbles over the surface. It's also advisable, during the mixing, to pour the mixture from one can into another one to homogenize better the product.

- *Hardening*: 100 A + 50 B
- *Dilution*: not provided

Application Method

a) COATING OF SURFACE and/or DECORATION:

After proper surface's preparation, remove carefully any dust residue, also using an anti-static cloth. Pour slowly RESINA F5000 distributing the product on an equal and homogeneous way using an American toothed trowel, with a consumption of about 2-2,5 Kg/m² for a layer of 2-2,5 mm thickness. For higher thickness, calculate a consumption of 1 Kg/m² each mm (anyway, is advisable to realize at least a 2,5 mm thickness layer). Re-cross the surface using a bubble-cracks roller to avoid the formation of bubbles that could be still visible after drying. After at least 12 hours (T=20°C, HR=60%) in case of the second layer is necessary, sand the surface manually or using the proper sander machine with an abrasive paper of 600/800 grains. Remove carefully dust residue using an anti-static cloth and apply RESINA F5000 in the same way.

b) COLORANT PIGMENTS, GLITTER AND POWDERS ENCAPSULATION:

Mix the right quantity of pigments, glitter or metal powders with the already hardened RESINA F5000 and, later, pour slowly and distribute equally F5000 as described in previous point.

You can create particular effects nebulizing ETI-ALC over the surface.

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c) INCLUSION of DRAWINGS, POSTERS, PHOTOGRAPHS,... :

Place and glue the prints over the surface using RESINA F5000, applied by brush, hardened at the use. After at least 12 hours (T=20°C and HR=60%) recover the surface with other layers of RESINA F5000 until you completely englobe the elements.

NB: It's possible to apply the water-based topcoat TOPSKIN LUCIDO, SATINATO or OPACO with protection aims so to avoid further thickness, after proper sanding using an abrasive paper of about 600/800 grains.

Colours

The product RESINA F5000 is transparent and can be coloured by pastes and pigments with special effect:

EPOXY COLORANT PASTES – Use 3-5% max

- Bianco EPOXY DM00
- Giallo Ossido EPOXY DM07
- Rosso Ossido EPOXY DM12
- Rubino EPOXY DM458
- Blu EPOXY DM56
- Nero EPOXY DM60
- Giallo Freddo EPOXY DM63

SPECIAL EFFECT PASTES – Use 3-5% max

- Alluminio 002TSC
- Oro 010FL
- Rame 012FL
- Perla Bianca 015FL
- Madreperla 040LUMEN
- Iris Blu 018IR
- Iris Oro 019IR
- Iris Verde 022IR
- Iris Viola 023IR
- Iris Turchese 024IR

FLUO PIGMENTS – Use 10% max

- FLUO Fucsia
- FLUO Verde
- FLUO Arancione
- FLUO Giallo

NUIT PIGMENTS – Use 20% max

- NUIT Turchese
- NUIT Verde
- NUIT Viola
- NUIT Blu
- NUIT Arancio

I PREZIOSI (glitter) – Use 5-15% max

- SILVER 1
- GOLD 1
- RED LOVE 1
- GREEN LIBERTY 1
- BLUE SKY 1
- SEXY VIOLET 1
- COPPER 1
- LEAD 1
- IRIS 1

LIMATURE – Use 10% max

- LIMATURA ALLUMINIO
- LIMATURA RAME
- LIMATURA RAME OSSIDATO
- LIMATURA BRONZO
- LIMATURA GHISA
- LIMATURA OTTONE
- LIMATURA VERDE RAME

SPECIAL EFFECT POWDERS – Use 10% max

- ORO Zecchino
- ORO Giallo
- Perla 00
- Mica Bianca
- Grafite Argentea

Application and Storage Conditions

- *Application temperature:* between +10°C and +35°C
- *Practice temperature:* between -20°C and +70°C
- *Storage temperature:* between +5°C and +30°C
- *Tools' cleaning:* with solvent

Technical Features

TECHNICAL DATA	METHODS	UNIT of MEASUREMENT	VALUE
Specific weight at 20°C (A+B)	UNI EN ISO 2811	Kg/Lt	1,10±0,05
Dry remainder (A+B)	UNI EN ISO 3251	% (p/p) % (v/v)	99±1 99±1
Brookfield viscosity at 20°C	ASTM D 2196	cps	800±300
Compression strength	DIN 53454	MPa	70
Flexion strength	DIN 53452	MPa	55
Traction strength	SIN 53455	MPa	35
Resilience	DIN 53453	Nmm/mm ²	9
Elastic form	UNI EN ISO 178	MPa	1500
Mixing ratio	-	-	100A+50B
Dilution	-	-	Not provided
Rough covering		Kg/m ²	1 Kg/m ² each mm thickness
Thickness		mm	From 2 up to 5-6 mm (for single layer)

Reaction Time (T=20°C - H.R. 50%)

- *Pot-Life*: 45 minutes
- *Touch dry time*: about 8 h
- *Over-application time*: about 12-16 h according to temperature
- *Pedestrian traffic opening time*: 24-36 h
- *Light traffic opening time*: 48 h
- *Heavy traffic opening time*: 72 h
- *Complete surface's hardening*: 7 gg.

Packaging

- kit 1,5 kg (1kg A + 0,5kg B)
- kit 7,5 kg (5kg A + 2,5kg B)
- kit 15 kg (10kg A + 5kg B)

Before using ELEKTA RESINE's products it's advisable to participate to the CORSO DEL RESINATORE or to contact the ELEKTA LAB assistance service.

For further information contact the technical office Gruppo GANI at the number +39.031.905163.

The information contained in this technical card are based on the common experience in the sector, without specific implicit or explicit guarantee.

The application and the use of our products take place outside our control possibilities and so those fall down under the exclusive responsibility of the user.

ELEKTA is a division of:

GRUPPO GANI S.r.l. - Via Vivaldi, 4 22071 Cadorago (CO) Tel: (+39) 031 905163
www.elektaresine.it - gruppogani@gruppogani.com