

PLANOFINISH CRYSTAL

Epoxy paste for filling pinholes

- ▷ **Solvent free - VOC 0 g/l**
 - ▷ **Thixotropic, easy to apply with excellent workability**
 - ▷ **Ideal for terrazzo & natural stone**
 - ▷ **Very high adhesive ability**
 - ▷ **Provides protection from common household detergents**
 - ▷ **It is combined with glitter and dyes**
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Description

PLANOFINISH CRYSTAL is a two-component, semi-transparent polishing cream. It is suitable for filling holes in terrazzo coating cement or one of the normal created with NOVACEM CREATIVE and NOVACEM MICRO TERRAZZO. Suitable also for natural stones, indoor during mechanical polishing process. It increases mechanical and chemical resistance by providing a glossy look. It can be mixed with NOVACOLOR UNIVERSAL or Glitter pigments in order to create opalescent surfaces.

Certifications

Harmonized with Directive 2004/42 / EC referring to the use of organic solvents in paints and varnishes (product category IIA / i).

Uses

As a filling and protection material in:

- Traditional terrazzo coatings
- Mosaics made with NOVACEM CREATIVE or, PLANOCOLOR TERRAZZO
- Natural stones

For indoor application in areas such as:

- Floors in houses, offices, shopping centers
- Kitchen or, bathroom benches
- Floors with regular use such as public buildings, schools, offices, hospitals, exhibition halls
- In combination with Glitter - of appropriate granulometry - for creating opalescent surfaces

Technical Data

Product Identity

	Component A	Component B
Form	Paste	Paste
Color	White	White
Chemical base	Epoxy resin	Aliphatic amine
Density	1,07 ±0,02 kg/L	1,03 ± 0,02 kg/L
Solids content	100%	100%
Storage	24 months in the original package	

Application Data (+23°C % & 50% r.H.)

Mixing ratio	Part A : Part :B = 60 : 40	
Density of the mix	1,05 ±0,05 kg/L	
Hardness according Shore D	75	
VOC	0 g/L	
Application temperature	+15°C up to +30°C	
Pot life ^a	+ 15°C	≈ 90 min
	+ 20°C	≈ 60 min
	+30°C	≈ 20 min
Walkability ^a	+ 15°C	36 h
	+ 20°C	24 h
	+30°C	12 h

a : Time measurements are approximate, influenced by the environmental conditions, mainly by the relative humidity (r.H.)

Final performance according EN 13813:2002

	Performance	Test method
Compressive strength (1 : 1 with silica sand 0,1 – 0,4 mm)	≥ 50 N/mm ²	EN 13892-2
Flexural strength (1 : 1 with silica sand 0,1 – 0,4 mm)	≥ 25 N/mm ²	EN 13892-2
Adhesion	≥ 2,5 N/mm ²	EN 13892-8
Abrasion resistance	AR1	EN 13892-4
Reaction to fire	F	EN 13501-1

Application Procedure

Substrate preparation

It is recommended to apply PLANOFINISH CRYSTAL after the initial grinding, as all embedded aggregates appear uniformly on the surface. Clean the surface thoroughly from dust and abrasive residues and rinse thoroughly with clean water. Allow the surface to dry completely and then apply PLANOFINISH CRYSTAL.

Application

Add B component to A component and mix for at least 2 - 3 minutes until a homogeneous mixture is formed. Apply the mix in an intermediate state of the polishing process on a perfectly clean and dry surface. Then, with a metallic or, plastic flexible spatula, press the paste evenly across the surface, filling all the holes, leaving no big amounts of material on the surface. After 24 hours, continue to grind to the desired degree of polishing according to the shape and type of the aggregates.

Recommendations

- Always use the preset quantities of A & B components
- During application, the minimum substrate and ambient temperature should be +15°C and maximum +30°C
- Low temperature and high humidity rates prolong the time of hardening while significant high reduce the working time
- The substrate temperature should be at least 3°C above dew point to reduce the risk of condensation
- Before applying, confirm that the moisture content of the substrate is <4%
- Do not apply to areas with direct and sustained exposure to solar radiation
- Protect the applied surface for the first 24 hours from moisture, water and any kind of chemical and mechanical stress
- Application should be performed by a professional user

Cleaning

Clean immediately after use with NOVATHINNER solvent. Cured material can only be removed mechanically.

Storage

Remains stable for at least 24 months from the date of production, in the original sealed packaging, stored in a dry place and temperature between +5°C and +30°C.

Packaging

PLANOFINISH CRYSTAL is available in 1 kg (A + B) packaging.

Safety instructions

For information and instructions regarding disposal and safe handling, users should refer to the latest Safety Data Sheet of the product containing ecological, toxicological and other safety-related data.

Legal notes

The technical data and recommendations contained or listed in this leaflet are the result of laboratory measurements, of our current knowledge and experience. All the above-mentioned information and specifications should in any case be considered as indicative, as they may differ from each other. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown.

In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given or implied, as to the merchantability or suitability of the materials for a particular purpose and for the exact conditions of each project. Anyone interested of using the product must be sure beforehand that the product is suitable for the intended use and in any case, the user is solely responsible for any consequences due to the use of the product. Among other things, the Company is not responsible for any normal wear or tear from environmental or other inappropriate conditions. We reserve the right to revise or change the data herein without prior notice.

Restrictions and disclaimers apply to the extent permitted by applicable law. The Company has a Technical Support Department, which is the only one responsible for providing technical advice and solutions to deal with problems. Requests to the Technical Support Department are addressed and answered, only in writing.

For the latest and a valid version of the Technical Data Sheet, the user of the material must refer to our website www.novamix.gr or directly to the QR Code of the product.



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