

PLANOFINISH EPOXY

Epoxy varnish - sealer

- ▷ **Two component water based**
 - ▷ **Re-coat able after 30 minutes**
 - ▷ **Suitable for indoor use**
 - ▷ **High resistance to abrasion and mechanical stress**
 - ▷ **Gloss finish**
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Description

PLANOFINISH EPOXY is a two-component epoxy varnish with high mechanical strength. It is suitable for indoor applications, providing a glossy look. Due to its excellent mechanical strength, it significantly improves the surface protection of cement based mortars.

Certifications

Conforms to Directive 2004/42 / EC for two-component special coatings for specific end uses (product subcategory i, type Y) with a maximum VOC content of less than 140g/L. The VOC of the finished product to be used is less than 30g/L.

Uses

PLANOFINISH EPOXY can be used to protect and enhance surfaces such as:

- PLANOCOLOR PREMIUM microcement coatings, in interior walls and floors with heavy use, in houses, hotels, restaurants, shops, parking areas, indoor benches and built-in furniture
 - Natural stones, Skapifran stones
 - Industrial floors made of concrete treated with a surface hardener such as NOVADUR S by means of power float, in industries, parking areas, gas stations, ramps
 - Non-absorbent surfaces such as galvanized metal sheet, polyester
 - Microcement coatings combined with the aliphatic polyurethane varnish – sealer PLANOFINISH PU 2KW MAT
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Technical Data

Product Identity

	Component A	Component B
Form	Liquid	Liquid
Color	White	Yellow
Chemical base	Epoxy resin	Catalyst
Density	1,05 kg/L	1,10 kg/L
Storage	12 months in the original package in a dry place	

Application Data (+23°C % & 50% r.H.)

Mixing ratio	Part A : Part :B ≈ 2 : 1
Density of the mix	1,05 ± 0,05 kg/L
Pot life ^a	30 – 60 min. -> 30°C & 60 – 90 min. -> 25°C & ≈2 h -> 15°C
Application temperature	from +15°C to +30°C
Walkability ^a	4 h > 25°C & ≈10 h > 12°C
Re coating	After 30 - 60 min. in 23°C
Complete polymerization	After 7 days in 23°C
Gloss in 60°	85
Abrasion resistance	50 mg Tabertest ASTM D 4060 (CS 10/1000/1000)
Adhesion	≥ 2,4 N/mm ²
Resistance to temperature change (dry load)	from -30°C to +80°C
Flexibility (torsion test)	Successful (ASTM D522), 180° bend, 1/8"m

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

Application procedure

Substrate preparation

PLANOFINISH EPOXY should be applied to a clean, dry and free from dust surface. The substrate must be insulated from rising moisture. The surface moisture content must not exceed 4%. The application temperature should be between +15°C and +30°C.

Preparation of the mixture

Components A and B are packaged in containers with a predetermined mixing ratio. Component B is completely added to Component A. Mixing of the two components is done for about 2-3 minutes with an electric mixer at low speed (300 rpm). It is important to stir both the walls and the bottom of the container so that the catalyst is evenly distributed. Allow the mixture to mature for a few minutes and proceed with the application keeping the material workability times.

Application

Apply at least 2 consecutive layers of the mixture using a suitable roller for varnish. After the first layer turns from milky to transparent, it's ready to accept the second layer. In any case, take care to penetrate the surface well. The waiting time between the layers is about 60-90 minutes at an ambient temperature of +23°C and the relative humidity less than 80%.

Maintenance

Daily cleaning of surfaces coated with PLANOFINISH EPOXY is done with neutral detergents such as NEUTRAL CLEANER insoluble or, dissolved in water depending on the application. For special cleaning cases such as rubbers, shoe marks, household stains, candles, etc. it is recommended to use ALCALINE CLEANER dissolved in water at a ratio of 1 ÷ 10 to 1 ÷ 20. If salt removal is required, apply HARD REMOVER dissolved in water at a ratio of 1 ÷ 3 or 1 ÷ 4 and rinse thoroughly with water. For more information, refer to the relevant Product Data Sheet.

Recommendation

- Only for internal area applications
- Do not apply the product on surfaces that are not dry
- Do not apply the product on surfaces where moisture is rising or evident
- Do not apply the product when the temperature is below +15°C and the relative humidity in the atmosphere is higher than 80%
- The two components of PLANOFINISH EPOXY are in a predetermined proportion. It is forbidden to partially mix the two ingredients
- Do not apply PLANOFINISH EPOXY on old varnishes and on dusty or dirty surfaces
- Always use appropriate and clean tools
- Avoid using PLANOFINISH EPOXY in excess and where there is a "lake" of product, remove it
- It is recommended that the application is made by a professional user

Consumption

The consumption of PLANOFINISH EPOXY is 100 - 150 ml/m² for application in 2 coats depending on substrate absorbency

Cleaning

Containers, tools, coatings, etc. are cleaned with water as long as the mixture is still fresh. When the mixture is dried, cleaning is done only by mechanical means or strong corrosives

Storage

PLANOFINISH EPOXY remains stable for 12 months from the date of production stored in the original, sealed packaging, at internal protected area and temperature between +5°C and +30°C

Packaging

Metallic containers of 1 and 2 liters

Safety instructions

For information and instructions regarding storage, disposal and safe handling, users should refer to the latest Safety Data Sheet containing ecological, toxicological and other safety management 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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