PRIMER EP-1020 - TWO COMPONENT, 100 % SOLIDS, EPOXY RESIN AS A PRIMER

It's a two component primer, 100% solid content, epoxy resin based; is specially designed to increase adherence of TECNOFLOOR T-3020 and TECNOTOP S-3000 flooring systems.

USES

Epoxy resin to use in:

- Specially designed to increase the adhesion of the system TECNOFLOOR T-3020 or TECNOTOP S-3000 on concrete supports.
- Also for resin mortar with SILICA SAND, or calcium carbonate for concrete support preparations

NOTE: call our technical department about the application to other supports or situations

pot life at 23ºC	± 50 minutes
adhesion on concrete	> 2 N/mm²(MPa)
tack free time at 23ºC	±60 minutes

GENERAL FEATURES

- High fluidity that allows for quick and easy application of the product.
- High penetration and sealing on support.
- Excellent adhesion to concrete.
- Epoxy resin 100% solids.
- may yellow on outdoor exposure, due to the action of UV rays, to be an epoxy.
- Odorless, and solvent free.
- Do not add water or any solvent.
- Depending on the state of the surface to be treated, unevenness or plane level, yield, used like primer, can vary between 200-700 g/sqm.in several layers.
- The performance, used like a filling mortar is highly variable.Using with SILICA SAND (mix ±1:4), or calcium carbonate (mix ±1:2)
- It can be applied on surfaces with a maximum surface humidity of 4%.
- Past 7 days, coming to cured material total.Preserve the direct contact with water or other reagents until this moment.
- Do not apply at temp. below. 10 ºC or more than 30 ºC, or with relative moisture more than 80%. Do not use hot air guns that burns fossil fuels. This conditions facilitate the appearance of white spots. Use electric heaters.
- Translucent once applied.
- The PRIMER EP-1020 should be applied in dry conditions avoiding the presence of humidity or water coming from the surface to be coated or the substrate, whether at the time of application or subsequently (pressure from phreatic water level).
- The component A is red colored, to mix with the comp. B turns orange. (in the mixed product, doesn't see this oranged color).

PRESENTATION

Kit metal tins: 10,3 kg.+4,7kg.

SHELF LIFE

24 months each product at temperatures between 5° C and 25° C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.

APPLICATION METHOD

Support

- The concrete slab must be clean, compact and free of loose particles, grease, oil, cement laitance, curing liquids or other treatments such as silicones or damaged paintings.
- The surface must been with the pore opened, it is essential to start work with treatment and subsequent shot blasting dust sucked. sanding therefore is not recommended rough and open-pored surface ensuring anchoring the primer is sought.
- The concrete has to be more than 28 days old or maximum moisture content of 4%.
- Do not apply PRIMER EP-1020 on concrete with exudations of water or in areas where the inside water may affect the adhesion of the system components.
- Both temperature, environmental and support, should be at least 3 higher than the dew point at the time of the application, so the risk of condensation is reduced.

Mixing

- PRIMER EP-1020 comes in pre-weighed containers suitable for subsequent mixing proportions, partial mixtures is not recommended.
- Pour the contents of Comp. II on Comp. I, and mix with a drill fitted with a stirrer at low speed until achieve an homogeneous product. Special emphasis on shaking the walls and bottom of the container.
- In case of adding aggregate, make the mixture described above first and, once made, add the aggregate to obtain a homogeneous product.
- Do not add water or any solvents.

APPLICATION METHODS

- Apply PRIMER EP-1020 with the help of a short-haired roller on the support. applying a second layer will be necessary for very absorbent substrates.
- Consumption is 0.400 0.200 kg / m² depending on the roughness of the substrate.
- For reapair the concrete surfaces, use this epoxy resin mixed with SILICA SAND (mix ratio ± 1: 4) or calcium carbonate mix ratio(± 1: 2) as a mortar, applied by notched trowel or roller.
- In liquid condition, clean up with DESMOSOLVENT. Once cured, clean up only by mechanical means.

HANDLING

These safety recommendations for handling, are necessary for the implementation process as well as in the pre-and post, on exposure to the loading machinery.

- Respiratory Protection: When handling or spraying use an air-purifying respirator.
- Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking or smoking.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in air.

- Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the material and safety data sheet of the product (MSDS) or contact our technical department.

PROPERTIES

PROPERTIES	VALUE
Density at 23ºC ISO 1675	1.050 kg/m³
Viscosity at 23ºC ISO 2555	250 cps
Shore D at 23ºC DIN 53.505	>75
Adhesion to concrete	>2 N/mm² (MPa)
VOC(volatiles organic compounds)	0
Pot life at 23 ºC	±50 minutes
Tack free time 23 ºC	±60 minutes
Final dry time at 23 ºC	±2~3 hours
Recoat range time at 23 ºC	3~48 hours
Resistance to temperature for use	-20~80 ºC
Environmetal application temperature	5~35 ºC
Max. moisture on the support	±4 %
Max. environmental moisture	±80%
Dilution	NEVER

These values in this table are approximate, and can vary depending on the situation of the carrier or application methodology employed