



#### Description

Two component, low viscosity, solvent free, epoxy based primer.

#### Fields of Application

- Priming concrete substrates, cement screeds and epoxy mortars
- Normal to strongly absorbent surfaces
- Primer for all Tecnica epoxy floorings
- Binder for repair, levelling mortars and mortar screeds
- Internal and external use

#### Properties

- Low viscosity
- Good penetration ability
- High bond strength
- Solvent free
- Easy application
- Multi-purpose
- For external use also

#### Preparation of Substrates

- Concrete substrates to be applied on must be dry, solid and have an enough compressive strength property (min. 25 N/mm<sup>2</sup>).
- Pull off strength of the surface should be min. 1.5 N/mm<sup>2</sup>.
- The substrate must be clean, free of dust, dirt, coatings, curing materials which may prevent adhesion.
- Trial application should be conducted in case of suspicion.
- Surface preparation should be done by using abrasive blast equipment. Cement laitance should be removed until open textured aggregate level is reached.
- Surface moisture should not exceed 4% in pbw.
- Rising moisture should be avoided. PE sheet coating test is recommended for control.
- Attention should be paid to the surface temperature should maintain within the temperature range of min. 10°C – max. 30°C and be 3°C over the dew temperature.
- Cracks should be repaired if necessary.

#### Application

- Tecnica 132 is a set of two pre-weighed packs in exact proportions.
- The temperature of the product should be within 15-25 °C.
- The component A should be mixed prior to the addition of the component B. Component B should be added to the component A completely without leaving any residue in the packaging.
- Low speed (300-400rpm) electrical stirrers should be used for mixing.
- Mixing should be for about 3 minutes until a homogenous mixture is achieved.
- The entire mixture should be poured into another container and remixed for 2 minutes more to ensure a homogenous mixture.
- Over mixing should be avoided in order to prevent air entrainment.
- Silica sand (0.1-0.3 mm) can be added to the mixture in the ratio of 1:1 for thickening purpose, for intermediate layer applications.
- By the addition of silica sand in the ratio of 1:7- 1:8 w/w material can be used as a levelling mortar.
- By the addition of silica sand in the ratio of 1:8 w/w material can be used as a repair mortar.



Tecnica 132

#### Application Method

##### Primer

- Can be applied by roller, brush or squeegee.
- Continuous, non-porous layers of application should be ensured.
- For concrete surfaces having low/medium porosity 1 layer of application and for highly porous surfaces 2 layers of application is recommended.

##### Levelling Mortar

- Can be applied by a trowel or squeegee to the required thickness after adding the required amount of silica sand for usage as a levelling mortar.

##### Intermediate layer coating

- Tecnica 132 should be poured to the surface and spread by a trowel. Just after spreading the material, a homogenous thickness should be provided by a spiked roller. After the application, while the surface is still tacky (within 15-30 minutes) spread excess amount of quartz sand to the surface and remove the excess amount by sweeping after complete drying.

##### Bonding Bridge

- Can be applied by roller, brush or squeegee.

##### Mortar Coating/Repair Mortar

- Apply the mortar screed evenly on the still "tacky" bonding bridge, using levelling battens and screed rails if necessary. After a short waiting time compact and smoothen the mortar with a trowel or Teflon coated power float (usually 20 – 90 rpm).

##### Consumption

- 0.3 – 0.6 kg/m<sup>2</sup> as a primer. Usage and consumption depends on the surface properties and system solutions.

#### Post-Application Protection & Suggestions

- If the application will be done by preparing a mortar with sand (aggregate) addition, the maximum grain size should be 1/3 of the thickness of the finalized coating thickness.
- Aggregates and the most convenient mixture should be selected according to the aggregate type, application temperature and application purpose.
- Application is not allowed in the areas where rising moisture is existent.
- Primer should not be collected on the surface.
- Tecnica 132 is not convenient for permanent water contact until it is coated with a suitable coating.
- Trial applications should be conducted to decide convenient aggregate type and ratio.
- Attention should be paid to the temperature, moisture and dew point conditions. Application should not be continued if the temperature decreases, rising temperature during the application or before complete drying can create pinholes on the surface.
- Application should be avoided in excess air current conditions.
- Since Tecnica 132 is an epoxy resin based product; properties like drying and curing times, viscosity, pot life may exhibit variations depending on the temperature conditions. These properties decrease at high temperatures and increase with the lower temperatures.
- Tecnica 132 should be applied by professional applicators.
- Surface should be protected against direct water contact for at least 24 hours. Water contact leads coating to lose its properties and it should be removed and reapplied.
- Shelf life is valid for appropriate storage conditions without opening the pails.
- Appropriate working clothes, protecting glasses, gloves and masks should be worn during application.
- For further information refer to the safety data sheet.

#### Storage

- Packages should be kept dry and cool at between +5°C and +30°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Shelf life is maximum 24 months conditional to complying with the above mentioned conditions.

#### Packaging

- Component A: 16.3 kg containers
- Component B: 3.7 kg containers
- Components A+B: 20 kg ready to mix units

#### Quality Certificates



EN 1504-2



Tecnica 132

#### Technical Properties

(at 23 °C and 50% RH)

#### General Data

Appearance/Colours	Component A: Brownish liquid Component B: Transparent liquid
Shelf Life	24 months when stored in original sealed packaging.
Mixing Ratio (A/B)	16.3 kg / 3.7 kg
Mixture Density	App. 1.46 g/cm <sup>3</sup>

#### Application Data

Surface temperature	10 – 30 °C
Pot life (23 °C)	~25 minutes
Overcoatibility (+20°C)	12 hours
Final Curing (+20°C)	7 days

#### Performance Data

Shore D Hardness (7 days, DIN 53505)	~75
Compressive Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1)	~30 N/mm <sup>2</sup>
Flexural Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1)	~10 N/mm <sup>2</sup>
Bond Strength (EN 4624)	>1.5 N/mm <sup>2</sup> (failure in concrete)
Thermal Resistance	
Permanent exposure:	50°C
Short term (max. 7 days):	80°C
Short term (max. 12 hours):	100°C