

TEKNOBOND 860

Epoxy Based Mortar



Product Description:

Teknobond 860 is three component, epoxy resin based high performance repairing mortar.

Uses:

Teknobond 860;

- Industrial floors
- Kerbstones
- Bridge bearings
- Foundation slabs
- Crane rails
- Joint areas in highways
- Concrete runways
- Abrasion and impact resistant wearing layers

Features and Benefits

- Solvent free
- Shrinkage-free hardening
- Curing is not affected by high humidity
- Rapid hardening also at low temperatures
- Abrasion and impact resistant

Substrate

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. If in doubt, apply a test area first.

Substrate and Ambient Temperature

-5°C min. / +35°C max.

Application Method

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The components are produced according to right mixing ratio. Mix the resin (component A) and hardener (component B) thoroughly with a mechanical mixer with a 400 - 600 RPM mixer in a clean container at least 3 minutes to have a homogenous mixture. Then add the well graded aggregate (component C) slowly, mixing all the time. Mix the three components at least 4 minutes to have a homogenous mixture.

Pour the mixed **TEKNOBOND 860** directly into the prepared formwork. For preventing the possible air gaps in the formwork, pour the grout from single opening and let the air draining. Maintain the liquid head to ensure intimate contact to the base plate. Place sufficient epoxy grout in the forms to rise slightly above the underside (3 mm) of the base plate. Open areas should be protected from aggressive weather conditions during the first 24 hours.

Watchpoints

- Never thin by any solvent. Solvents will prevent proper curing and change mechanical properties.
- **TEKNOBOND 860** has to be mixed with an appropriate mixing drill. Never mix with hand or trowel.
- Avoid application under temperatures below +5°C and over +30°C.
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.
- **TEKNOBOND 860** should be applied in 30 minutes (at 20°C). The workability and hardening times of epoxy based products depend on temperature.
- After the application there should be no contact for 24 hours. Also water contact has to be avoided.
- Avoid splitting pre-batched units to mix. Mix complete units only.
- Component C must be kept dry.
- Cured material can only be removed mechanically.

Cleaning:

Clean tools and application equipment with Tekno Tiner immediately after use. Hardened / cured material can only be mechanically removed.

Technical Data:

Type	Epoxy
Colours	Sand Colour
Density (A+ B)	2,00±0,10 (g / ml) (EN ISO 2811-1)
Flexural Strength (7 Days)	>20N/mm ² (EN 196-1)
Compressive Strength (7 Days)	>62,5 N/mm ² (EN 196-1)
Bond Strength (7 Days)	>2,5 N / mm ² (failure in concrete) (EN 4624)
Pot Life (23 °C)	35 min.
Chemical Resistance	Alkalis, fuels, acids, oils, etc
Packaging	20 kgs Set (A:B:C = 2:1:21 by weight)

Storage and Shelf Life

Minimum 12 months from date of production if stored in original unopened containers

Notes

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Local Restriction

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the product uses

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Tekno's products, are given in good faith based on Tekno's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Tekno's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Tekno reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request

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