

## Techno Bond EP

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### Structural concrete bonding agent

#### USES

Techno Bond EP is used to bond fresh concrete to an existing concrete surface. It is recommended for use on horizontal surface and on vertical surface where the fresh concrete can be supported by form work Ideal for extensions and repairs to concrete structures and pavements.

#### ADVANTAGES

- Slow setting-very helpful in construction sites
- Versatile - can be applied to damp or dry surface
- High Mechanical strength - tensile strength exceeds that of concrete
- Adhesion - adhesion exceeds tensile strength of concrete
- Flexibility in use - two set times available
- Waterproofing - acts as waterproofing and vapor proofing membrane

#### DESCRIPTION

-Techno Bond EP is a two component system consisting of base resin and hardener When mixed, a free flowing, brush able adhesive is obtained

Pot life	: 7-10 hours
Full cure	: 5 days 35 ° C
	: 4 days @ 45 ° C
Maximum over lay time	: 12 hours @ 35 ° C
	: 5 hours @ 45 ° C
Water absorption	: 0.05%

#### INSTRUCTION FOR USE

Surface preparation All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by light sandblasting or mechanical scarification to provide a sound substrate. Alternatively the surface should be etched with muriatic acid.

After the reaction has ceased the surface should be thoroughly washed with clean water and allowed to dry. The entire contents of the hardener should be poured into the base container and the two materials thoroughly mixed until a uniform color is obtained.

When mixed Techno Bond EP should be brush or spray applied to the prepared surface. The new concrete or screed should be applied to the Techno Bond EP within the maximum

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### Modern Technologies for Construction Chemicals

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overlay time at the prevailing temperature. Fresh concrete should not be applied once the Techno Bond EP has dried. If this occurs, a fresh coat of material should be applied.

## STANDARDS

Techno Bond EP conforms to ASTM C 881, Type 11, Grade 2, and Class C.

## STORAGE

### Storage

12 months minimum shelf life stored in dry store in the original un-opened packs

## ESTIMATING

### Supply

Techno Bond EP	2.5 Kg
Techno solvent	4 Liter cans

### Coverage

Techno Bond EP	3.0-4.0 m <sup>2</sup> /Kg
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**Note:** The coverage figures for Techno Bond EP products are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figure will be reduced.

Techno Bond EP "fast set" suitable for cold weather working can be made available when specifically requested.

### Safety precautions

Techno Bond EP and Techno solvent keep away from sources of ignition.

No smoking In the event of fire, extinguish with CO<sub>2</sub> or foam. Do not use water jet.

Techno Bond EP and Techno solvent should not come in contact with skin and eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapor.

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