

# TECHNOPATCH

## Fast Setting Repair Mortar

### Technical Data Sheet

**TECHNOPATCH** is a proprietary blend of powders based on Microcrystalline technology used for low cost structural repair of depth greater than 20mm. Highly cost effective for large volume repairs and requires only addition of water at site.

#### UNIQUE FEATURES & BENEFITS

- Quick setting and High early compressive strength
- No priming & No curing required
- Rapid return to service (After 4 Hrs)
- Non Shrink
- Not affected by Sulfates or Chlorides
- Eco-friendly (Does not contain VOC)

#### PHYSICAL PROPERTIES

##### SET TIME (at 30°C)

Initial setting time	: 20-minutes
Final setting time	: 40-minutes

##### COMPRESSIVE STRENGTH

4 hrs	: 20 MPa
24 hrs	: 30 MPa
72 hrs	: 45 MPa
28 days	: 50 MPa

\*Set time will be shortened at higher temperature site conditions and will be delayed at lower temperature site conditions



#### SPLITTING TENSILE STRENGTH

28 days : 4 MPa

#### BOND STRENGTH TO CONCRETE

6 MPa

#### SHRINKAGE

None

#### COVERAGE

45 kg/m<sup>2</sup> at 20 mm thickness

#### OPEN POROSITY

Less than 2.5%

#### UNIT WEIGHT

1800 kg/m<sup>3</sup>

#### SURFACE PREPARATION

Surface must be sound, clean and free from loose particles or contamination to ensure proper bonding. Dry clean and stable surfaces are required.

**Quicker ...**

**Stronger ...**

**Greener ...**

## MIXING GUIDELINE (at 30°C)

Use about 225-250ml of water for per kg of material. Mix the slurry until a homogenous mix of smooth, creamy and trowel able consistency is obtained. Apply the mix in the repair area and remember to wash off all the equipment immediately. Increasing the water content more than specified will affect the final properties of the product.

## WORKING TIME

TECHNOPATCH has an approximate working time of 20 minutes at 30°C. This mixing time is based on using 20°C to 27°C temperature mixing water. During usage of higher temperature water for mixing, the mixing time to be shortened appropriately. The above mixing times are indicative only. Where mixing time is critical a trial mix is recommended.

### PACKING

TECHNOPATCH is available in 30 Kg (containing 3 x 10 Kg) bags

### SAFETY

The use of dust mask, safety goggles and gloves is recommended.

### STORAGE LIFE

TECHNOPATCH has a shelf life of 6 months from the date of manufacturing if stored in unopened original packing, under shade in dry and frost free conditions.

## USES

Ideally used for RAPID REPAIR of Parking garages, Manhole repairs, Platforms & Walk ways, Dairy farms, Structural repairs, etc.

**DISCLAIMER:** The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty" The manufacturer is not responsible for any loss or damage arising from incorrect usage" Specifications are subjected to change without notice"



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