



DELTA FASTRACK T45

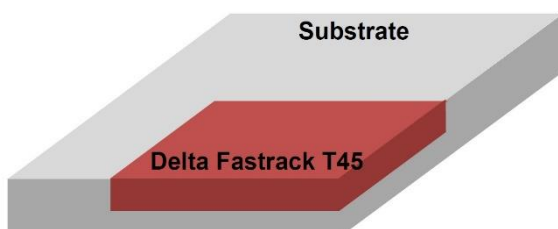
Rapid Setting Repair Cement Mortar



DESCRIPTION

A fast-setting, pre-mixed magnesia-phosphate cement mortar for rapid, high early strength repair situations.

SYSTEM DESIGN



COLOR

Cement Grey

FINISH

Low sheen

USES

- ❖ For use in concrete repair situation where minimum delay and work disruption are of utmost importance.
- ❖ As a repair material for concrete slabs which can give sufficiently high early strength to receive heavy traffic at sub-zero temperatures as low as -25°C.
- ❖ Typical uses include cold storage, concrete roads, industrial flooring, loading bay, warehouses and bridge decks.

BENEFITS

- ❖ Wide range of temperature applications from over 30°C to as low as -25°C.
- ❖ High strength at very early age (45 minutes).
- ❖ Fast setting; minimum delay to traffic and production.
- ❖ Single-packed, ready to use.
- ❖ High bond strength, durable.
- ❖ Non-shrink.
- ❖ **HACCP certified to Singapore Standard** for use in facilities covered by HACCP accreditation

SURFACE PREPARATION

Substrates to be coated must be structurally sound, dry and absorbent, clean and free from any contamination. For oil/grease contaminated areas, use approved chemical degreaser followed by thorough water washing and drying. For other specific application, consult DELTA INTERCONTINENTAL P/L.

APPLICATION

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- ❖ Pre-wet surface with clean water and remove standing water.
- ❖ Apply one layer of Delta Fastrack T45.

Mixing – Pour the correct amount of clean water into the mixer. If coarse aggregates are required, add them into the mixer. Empty entire contents of Delta Fastrack T45 into the mixer and mix content thoroughly for 1 minute. Mixing is done by using a slow speed power mixer (300 – 500 rpm).

Tools – Applied using brush, short nap epoxy roller or airless sprayer.

MAINTENANCE

To maintain the appearance of the floor, all spillage must be removed immediately and clean regularly using rotary scrubber, wash and vacuum in conjunction with suitable detergents and waxes.

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Fastrack T45 have a shelf life of 12 months in original unopened packing, stored in dry, enclosed place without exposure to direct sunlight and temperature between 5°C to 25°C, protected from frost.

PACKAGING

25 kg set

Note: add aggregates and water on site according to mixing ratio as stated above.

TECHNICAL AND APPLICATION DATA

Test	1 Hour	3 Hours
Flexural Strength BS 6319: Pt. 3 (curing temp. @ 20°C)	5 N/mm ²	7 N/mm ²
Tensile Strength BS 6319: Pt. 7 (curing temp. @ 20°C)	3 N/mm ²	2.5N/mm ²
Compressive Strength (curing temp. @ -15°C in freezer for 8 hrs)	36 N/mm ²	
Shear Bond Strength BS 6319: Pt. 4	44.8 N/mm ²	
Modulus of Elasticity	4,200 N/mm ²	
Thermal Coefficient of Expansion	11.75 x 10 ⁻⁶ /°C	
Corrosion Inhibition	0; no corrosion	

Recommended dry film thickness	Minimum 15mm
No. of coats	1
No. of components	1
Mixing Ratio (15 – 25mm) (without aggregates)	25kg : 1.5lit T45 : water
Mixing Ratio (>25mm) (with aggregates: 6 – 10mm granite chipping)	25kg : 1.9lit : 20kg T45 : water: aggregate
Temperature Resistance	-25°C to 30°C

SAFETY

Although this product is not flammable, smoking is prohibited when working. Ensure adequate ventilation and avoid inhaling vapours when working. Always use with suitable personal protective equipment.