

Conpatch[®] 300



THIN FAIRING COAT FOR CONCRETE SURFACE REPAIRS

DESCRIPTION

A polymer modified cementitious one part repair mortar thin fairing coat for concrete surface repairs.

USES & ADVANTAGES

Conpatch 300 is used to repair minor surface defects on concrete mortar & stone. As a cosmetic repair material it is used to eliminate small defects due to bubbles, demoulding etc. Suitable for small repairs to precast concrete, columns, beams and fair faced concrete.

Advantages include:-

- Ready to use, one part.
- Good adhesion.
- Non toxic.
- Spray or brush apply.
- No corrosive effect to reinforcement.
- Good mechanical strength.
- Fast strength development.
- **Conpatch 300** may be overcoated.

PROPERTIES

Appearance: Grey powder

Density: Bulk density: ~1.38 kg./l.
Fresh mortar : ~2.15 kg./l.

Pot life: 30 minutes at 20°C
15 minutes at 30°C

Compressive Strength:

35-45 N/mm² (28 days at 25°C, 50% rel. humidity)

Flexural Strength:

5-6 N/mm² (28 days at 25°C, 50% rel. humidity)

Bond Strength to Concrete:

1.5-2.5 N/mm² (28 days at 25°C, 50% rel. humidity)

Modulus of Elasticity: 19,600 N/mm²

Coefficient of Thermal Expansion: 14×10^{-6} m/°C

CO₂ Diffusion Resistance (η H₂O): 600

Water Vapour Diffusion Resistance (η H₂O): 93

Water Absorption ISAT : BS 1881 Part 5 1970
10 mms < 0.009 ml/m²/sec
2 hours < 0.006 ml/m²/sec

SUBSTRATE PREPARATION

Ensure the substrate is clean, free from laitance, oil & grease. No loose particles should be present. The substrate must be saturated thoroughly for at least 2-4 hours before application of **Conpatch 300**.

MIXING

Mix **Conpatch 300** to water at no more than 5 : 1 (by weight) 3.6 : 1 (by volume). Add slowly the **Conpatch 300** to the water while mixing. Mix for approx. 3 minutes. Mixing should be done by slow speed drill (500 r.p.m.) and using a proper mixing paddle. The entire contents of the bag should be mixed otherwise the product may not perform to specification.

METHOD OF USE

Apply **Conpatch 300** to the prepared area by trowel or putty knife. Work in a thin layer less than 2 mm. Finish off & smooth the repaired area with a soft sponge.

STORAGE & SHELF LIFE

Conpatch 300 should be stored in original, unopened packaging in a cool place away from moisture & naked flame. The shelf life is at least 9-12 months in unopened bags.

PACKAGING

20 kg. 4 Ply plastic lined bags.

HEALTH & SAFETY

Conpatch 300 is non-toxic but is alkaline in its nature. When applying gloves & goggles should be worn. Wash off splashes to skin with water. If in eyes wash out with plenty of clean water and seek medical attention. **Conpatch 300** is non-flammable.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

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