

Cempatch AB

Acrylic bonding and curing agent for cement mixes and concrete repair



Description

Cempatch AB is a one component modified acrylic liquid polymer specially formulated for use as a bonding agent and curing aid for cementitious concrete repair systems. Cempatch AB is designed for maximum performance under the alkaline condition of cement mixes.

Applications

Cempatch AB is ideally designed for use as a primer and curing aid for Cempatch cementitious repair systems and as a bonding aid for bonding fresh to old concrete.

Advantages

- ▲ One component, easy to use.
- ▲ High bond strength provides excellent adhesion when used as a bonding agent for cement based mixes and Cempatch cementitious repair systems.
- ▲ Suitable for use in hot areas.
- ▲ Can be used internally and externally.
- ▲ Can be used as a curing agent eliminating the need for water curing.

Standards

Cempatch AB complies with ASTM C1059–99, Type 1, when tested in accordance with test method ASTM C1042.

Method of Use

Substrate Preparation

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by light scabbling or grit blasting. Corroded steel should be fully exposed and cleaned to bright conditions by grit blasting or by wire brush. Exposed steel reinforcements should be protected by applying one full unbroken coat of zinc rich epoxy such as Repcoat ZR and allowed to dry. All surfaces should be presoaked with clean water prior to applying Cempatch AB.

Technical Properties @ 25°C:

Tensile bond strength:	2.5 MPa @ 7 days
Colour:	White emulsion
Film forming time range:	10 - 20 min @ 40°C 30 - 50 min @ 25°C 60 - 120 min @ 15°C
Curing efficiency:	> 55%
Slant shear strength: ASTM C1042-99 Type I (dry)	> 6 MPa
VOC:	< 15 g/ltr

Note: Film forming time range is also affected by relative humidity and wind

Application

1) As a priming bonding agent:

Cempatch AB should be brushed vigorously into the presoaked surface making sure to fill all pores and voids. Ensure the repair mortar is applied when the film is formed and is still tacky as mentioned above.

2) As a curing aid:

Cempatch AB can be used as a curing aid over cementitious repair mortars to prevent rapid evaporation of water. In severe hot weather conditions or in windy situations, the use of high efficiency curing agent such as Setseal 44 should be considered.

Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

Cempatch AB is available in 5 and 18 litre packs.

Coverage

Approximately 5 – 8 m²/litre when used as a primer.
Approximately 4 – 6 m²/litre when used as a curing aid.



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Storage

Cempatch AB has a shelf life of 12 months from date of manufacture if stored in a shaded place at a temperature of 25°C in original unopened packaging.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Cempatch AB should not be swallowed. Gloves and eye protection should be worn.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice.

For further information refer to the Safety Data Sheet.

Fire

Cempatch AB is not flammable.

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09-0001-A-2021