

Expanbond* Latex



CONSTRUCTION CHEMISTRY

Polymer modified, concrete bonding agent for concrete repair and mortar additive

Uses

Recommended primer and bonding agent for the Cementitious Repair System and mortar additive.

Advantages

- Single component
- Simply brush onto concrete as a primer or as slurry
- Provides excellent bond to concrete, masonry, stonework, plaster and block-board
- Suitable for use in cementitious mortar as additive
- Can also be used as a curing membrane for localized patch repairs
- Economical in use with cement slurry

Description

Expanbond* Latex is polymer modified SBR emulsion, designed for use as a bonding and mortar additive for concrete repair systems. It is resistant to water and can therefore be used for internal or external applications.

Standards compliance

BS 6920 - Approved for use with potable water

Technical support

Expanchem Fospak offers a comprehensive range of high performance, high quality construction products. In addition, Expanchem Fospak offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the world.

Properties

Appearance	: White viscous liquid
Chloride content	: Nil to (BS 5075)
Compatibility with	: Can be used with all types of portland cements

Instructions for use

Surface preparation

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae. Where breaking out is not required, roughen the surface and remove any laitance by light scabbling or grit-blasting.

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to bright condition paying particular attention to the back of the exposed steel bars. Grit-blasting is recommended for this process.

Reinforcing steel priming

Apply one full coat of Expanprime* Zincrich to all exposed steel reinforcement and allow to dry prior to continuing. If any doubt exists about having achieved an unbroken film, a second application should be made and allowed to dry prior to continuing.

Application of bonding aid

The substrate should be thoroughly soaked with clean water. Expanbond Latex can be use directly or as cement slurry, 1 Part Latex + 1 Part Water + 3 Parts Cement.

Apply Expanbond* Latex onto the surface, avoid ponding and remove any excess. The repair mortar or topping should be applied whilst the primer is still tacky.

Curing

Expanbond* Latex can be use as curing agent to prevent rapid loss of water. In severe drying conditions additional curing methods may be necessary. Protect uncured mortar from frost and rain.

Cleaning

Expanbond* Latex should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Limitations

Expanbond* Latex mortars, toppings and renders should not be used when the temperature is below 5°C and falling. Neither should they be exposed to moving water during application. Exposure to heavy rainfall prior to the final set may result in surface scour. If any doubts arise concerning temperature, application or substrate conditions, consult the local Expanchem Fospak office.

Expanbond* Latex should not be used as a curing compound when over-coating with epoxy coatings are required.



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Estimating

Supply

Expanbond* Latex : 5, 30 & 200 liter.

Coverage and yield

Expanbond* Latex 3 - 4 m² / liter as a slurry primer
4 m² / liter as curing agent

Storage

Shelf life

All products have a shelf life of 6 months at 20°C if kept in a dry store in the original, unopened containers.

Precautions

Health and safety

Cement mortars modified with Expanbond* Latex contain cement powders which, when mixed or become damp release alkalis which can be harmful to skin. During use avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection.

The use of barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

Fire

Expanbond* Latex is non-flammable

* Denotes the trademark registered.

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