

Acrylic emulsion primer and bonding agent for concrete repairs

Uses

Recommended primer and bonding agent for the Renderoc Cementitious Repair System.

Advantages

- Single component
- Simply brushed onto concrete as a primer
- Provides excellent bond to concrete, masonry, stonework, plaster and blockboard
- Suitable for use in Middle East conditions
- Can also be used as a curing membrane for localised patch repairs
- Is economical in use

Description

Nitobond AR is a modified acrylic emulsion, specially designed for use as a bonding aid and curing agent for concrete repair systems. It is resistant to hydrolysis and can therefore be used for external application.

Standards compliance

BS 6920 - Approved for use with potable water

Technical support

Fosroc offers a comprehensive range of high performance, high quality construction products. In addition, Fosroc 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

Slant shear adhesion

(BS 6319 Pt 4; 1984)

Typical result with AR : 9.0 N/mm²

Curing efficiency

BS 7542: 1992 : > 55%

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 Nitoprime 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 with any excess removed prior to commencement of the works.

Scrub Nitobond AR into the substrate, avoid ponding and remove any excess. The repair mortar or topping should be applied whilst the primer is still tacky.

Curing

Cure the repair mortar or topping using Nitobond AR to prevent rapid loss of water. In severe drying conditions additional curing methods may be necessary. Protect uncured mortar from frost and rain.

Fosroc Nitobond AR

Cleaning

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

Limitations

- Nitobond AR 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 Fosroc office.
- Nitobond AR should not be used as a curing compound when overcoating with epoxy coatings are required. However, it is suitable for Dekguard range. For epoxy range use, Nitocote PE135.
- For priming in situations where the substrate will remain permanently damp or the patch repair will be immersed in water after application, Nitobond EP primer should be used.

Estimating

Supply

Nitobond AR : 1 and 5 litre cans

Coverage and yield

Nitobond AR : 6 - 8 m² / litre as a primer
4 to 5 m²/litre 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

Cementitious mortars modified with Nitobond AR 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

Nitobond AR is non-flammable.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



Al Gurg Fosroc LLC

Post Box 657, Dubai
United Arab Emirates

www.fosroc.com

Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

Head Office

telephone: (+9714) 2039699

fax: (+9714) 2859649

email: agf@fosroc.com

Regional offices

Abu Dhabi, Al Gurg Fosroc
Bahrain, YBA Kanoo
Kuwait, Boodai
Oman, Al Amana

telephone: 673 1779
telephone: 17738200
telephone: 4817618
telephone: 24815080

fax: 673 1449
fax: 17732828
fax: 4832124
fax: 24817554

email: abudhabi@fosroc.com
email: bahrain@fosroc.com
email: kuwait@fosroc.com
email: oman@fosroc.com

