

Capcobond® AR

Acrylic Emulsion Bonding Agent for Concrete Repairs

Uses

Recommended primer for the cementitious repair system.

Advantages

- Allows a reduction in mix water content to be made without affecting workability, so reducing permeability.
- Provides integral protection, ensuring reduced permeability throughout the concrete and mortars.
- Integral protection is maintained even if surface damage occurs, unlike applied surface films or coatings.
- Lower water: cement ratio improves compressive strength at the same workability.
- Formulated for use in the Middle East.

Standards compliance

BS 6920 - Approved for use with potable water.

Description

Capcobond 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.

Properties

Appearance	White Emulsion
Chloride	Nil to BS5075

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.

Application of bonding aid:

The substrate should be thoroughly soaked with clean water with any excess removed prior to commencement of the works.

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

Mix design:

A sample mix design for a patching repair mortar or render.
 50 kg Ordinary Portland cement
 150 kg sand (0-5 mm)
 5 litres Capcobond AR
 Water: Sufficient to give required consistency

Curing:

Cure the repair mortar or topping using Capcobond AR

to prevent rapid loss of water. In severe drying conditions additional curing methods may be necessary. Protect uncured mortar from frost and rain.

Cleaning:

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

Limitations:

Capcobond 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.

Packaging

Capcobond AR is available in 4 & 20 litre containers.

Storage

Capcobond AR has a minimum shelf life of 6 months at 35°C if kept in a dry store in the original, unopened packs. The shelf life will be reduced at higher ambient temperatures.

Precautions

Health and safety:

Capcobond AR is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire:

Capcobond AR is non-flammable.