



Technical Data Sheet

Ecobond AC

Water Based Acrylic Bonding Agent for Modifying Cement and Concrete Repairs

Description

Ecobond AC is a single component modified acrylic emulsion specially designed for use as a bonding agent and modifying liquid for cementitious systems.

Applications

- Primer for cementitious repair system.
- Bonding agent between old and new concrete.
- Curing compound for concrete and cementitious materials.
- Cement modifier

Advantages

- Hydrolysis resistance (internal and external application)
- Single component, user friendly
- Multi- purposes

Technical properties

Color	White
Specific Gravity	1.00 ± 0.02
Min. application Temperature:	5°C

Method of use

Surface preparation

- The Substrate should be sound, clean and free from dust, plaster, oil, paint, grease, corrosion deposits and any other contamination. Surface laitance should be removed by light scrubbing or grit blasting to provide mechanical key.
- Corroded steel should be fully exposed and cleaned to bright conditions by grit blasting or by wire brush. The exposed steel reinforcements should be protected by Zinc rich epoxy coating
- Concrete surfaces should be pre-soaked with clean water prior application of **Ecobond AC**; excess water should be brushed off.



Application

Primer and bonding agent

Ecobond AC should be brushed vigorously into the pre-dampened surface making sure to fill all pores and voids. Avoid puddling of the emulsion. The repair mortar/topping should be applied whilst the primer is **still tacky** to achieve the higher adhesion properties.

Ecobond AC shouldn't be allowed to dry for more than 15 minutes at 30°C.

Curing Compound

Ecobond AC can be used as a curing aid over concrete and cementitious repair mortars to prevent rapid evaporation of water..

Mortar Modifier

Ecobond AC improve the mechanical properties of cementitious mortar such as compressive, flexural, and tensile strength.

The typical mix design to modify mortar achieved by mixing 10 liters from **Ecobond AC** for each 50kg from cement with 150kg silica sand.

Noting that water should be added to obtain the required consistency.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Theoretical Coverage

Approximately: 6 - 8m²/ liter depending on substrate

Storage

Ecobond AC shelf life is 12 months if stored at temperatures between 5°C and 20°C in original unopened containers.

If these conditions are exceeded, Envirocon technical department should be contacted for advice.

Cleaning

All tools should be cleaned immediately after application using fresh water. Hardened materials must be cleaned mechanically.

Packaging

Ecobond AC is available in 5, 20, and 210 Liters.

Cautions

Health and safety

Ecobond AC is nontoxic, it 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 5 minutes and seek medical advice.

Fire

Ecobond AC is non-flammable.



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