

ADCOBOND 231

Latex-based bonding agent

ADCO
Construction-
and Mining
Chemicals

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adcon cc
established 1994

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technical data sheet

DESCRIPTION

Adcobond 231 is a liquid admixture, milky-white in appearance, formulated on the basis of a styrene / butadiene co-polymer latex in aqueous solution.

USES

Adcobond 231 finds a wide range of applications in the construction industry. The main uses are summarized as follows :

- Constituent to bonding slurry systems.
- Key-coat to surfaces receiving plaster or skimming layers.
- Additive to leveling screeds, mortars and plasters requiring improvement of fresh state cohesiveness, performance properties and adhesion characteristics.
- Additive to concrete repair systems, specifically where feather-edging is required or thin section repairs are done.
- Plasters, screeds, etc requiring additional waterproofing characteristics.
- Additive to slurries used as waterproofing material. Where cracks are sealed, a polypropylene membrane is to be embedded between successive coats.
- Plasters, screeds, etc requiring improved flexural properties as well as increased density.
- Additive to concrete, plaster or mortar mixes prepared for example in remote areas where the only available aggregates render harsh fresh properties to the mix.
- Additive to cementitious systems in special finishing techniques requiring longer open times and improved moulding characteristics.
- Additive to cementitious tile adhesives and grouts for tiling in exposed / aggressive environments.
- Constituent to cementitious-based materials requiring improved resistance to deterioration by freeze-thaw cycles.

For specialized applications Adcobond 231 is often specified as mixing liquid constituent to products in the ADCO Construction- and Mining Chemicals range such as :

- ADCO Bonding Slurry 271
- ADCO Floorskim 181
- ADCO Plastrep 321
- ADCO Wallskim 182
- ADCO Plastrep 321MR

For detailed technical advice and method statements, please contact our Technical Division.

GUIDELINES TO APPLICATION

A detailed method statement for all possible application of Adcobond 231 falls outside the scope of this Technical Data Sheet. The following information however will assist during installations incorporating the product :

- Mixes incorporating Adcobond 231 generally are darker in colour. This has to be taken into account where aesthetics of repairs in relation to adjacent surfaces are important.
- Adcobond 231 can be used in members that are later exposed to potable water. We recommend a minimum 14-day curing period followed by thorough wash using clean water before permanent contact between the structure and potable water contents.
- Overdosing of Adcobond 231 results in a marked increase in workability as well as retarded setting characteristics.
- As a rule, substrates to receive Adcobond 231 or systems incorporating Adcobond 231, should be sound and prepared to be free of dust, contamination and friable material prior to be dampened well with clean water. Porous substrates may require saturation for 12 – 24 hours prior to application.
- Adcobond 231 is suitable in both interior and exterior applications exposed to the elements and UV.
- Best mixing results are achieved where the required Adcobond 231 dilution is prepared and added as constituent in the mixing liquid to the dry powder and aggregates.
- Equipment in contact with Adcobond 231 is washed with clean water immediately after use.

PACKAGING / STORAGE

Adcobond 231 is supplied in 1 litre, 5 litre, 25 litre, 200 litre and 1000 litre containers and can be stored under controlled and covered conditions for 6 months from date of manufacture.

SAFETY

Adcobond 231 is non-flammable and not classified as dangerous according to EC Directive 88/379/EEC and subsequent adaptations. Contact with the skin and eyes should be avoided by wearing gloves and protective clothing. Remember : Keep away from children, handle responsibly and consider the environment.

UPDATE

May 2017.

This supercedes all previous documentation.