



MC-BondAid Plast

Polymer Bonding agent and Plastering Aid for Excellent Bonding Between Old and New Concrete or Plasters

Product Properties

- No hacking is required before plaster application
- Excellent interfacial bonding between old and new concrete
- Excellent bonding between masonry and subsequent layer of plasters
- Non-toxic can be used with potable water
- More economical than epoxy
- Increases bonding and tensile strengths
- Lowers the permeability and chloride ingress

Areas of Application

- To be used as bonding agent for RCC structures, beams, columns
- For bonding of old concrete to new concrete
- For bonding of plaster to brick and masonry
- Bonding coat before guniting
- Bond coat before commencement of repairs
- Bonding of new plaster to old concrete

Application Notes

General

MC-Bond Aid Plast is supplied in ready to use form. **MC-Bond Aid Plast** gives excellent bonding characteristics on account of its polymerization. For bonding of old concrete to new concrete or for plastering the most commonly used method is hacking the surface which generally gives rise to following problems:

- Uniform hacking is not possible
- After initial hacking, base concrete becomes very hard making it very difficult to hack.
- Being labour oriented, manual hacking is time consuming
- Due to hacking unwanted dynamic stresses are developed leading to cracking of concrete in early stages

MC-Bond Aid Plast is ideally suitable to overcome these difficulties.

MC-Bond Aid Plast is a non-ionic polymer liquid. When applied on concrete member or masonry, it develops a polymer bonding membrane, which exhibits excellent bonding properties and secures a permanent bonding of new concrete or plaster.

MC-Bond Aid Plast not only improves the bonding characteristics but the degree of waterproofing is also considerably improved. Laboratory specimens have shown that even on smoothest glazed tile surface, plaster is held up tightly with **MC-Bond Aid Plast**.

Instructions for Use

Prior to application of **MC-Bond Aid Plast** the substrate should fulfill all structural requirements. Any cracks, blowholes, joints etc. should be properly sealed and cured. The surface to be treated should be free from all coatings, dust and unsound concrete. Unsound concrete should be chipped off to arrive at sound surface.

Before application of **MC-Bond Aid Plast** wash the cleaned base surface and allow it to dry. **MC-Bond Aid Plast** is supplied in ready to use form and no further dilution with water is recommended.

After the surface is dry, apply **MC-Bond Aid Plast** with the help of brush or spray. The application of **MC-Bond Aid Plast** should be in one coat. Care should be taken that no area remains uncoated. Application of **MC-Bond Aid Plast** should be carefully done so as to avoid any quantitative losses. After ensuring that total area is covered, application of fresh concrete or plaster can be started.

The application of fresh concrete or plaster over **MC-Bond Aid Plast** applied surface should be wet in wet. Waiting period is approximately 60 to 90 minutes. In every case subsequent concrete or plaster should be done before one and half hours.

The approximate consumption of **MC-Bond Aid Plast** is 8 to 10 m²/kg on fairly non-absorbent surfaces. However on highly absorbent surfaces the consumption may increase while for non-absorbent surface the consumption of **MC-Bond Aid Plast** may decrease.

Further Instructions / Precautions

Application of MC-BondAid Plast



Application of plaster after MC-BondAid Plast



Technical Data For MC-BondAid Plast

Characteristic	Unit	Value	Comments
Density	Grams / cm ³	≈ 1.01	± 0.02

Product Characteristics for MC-BondAid Plast

Type of Product	Polymer Bonding Agent
Form	Liquid
Colour	Milky White
Shelf Life	9 Months from date of Manufacture
Delivery	30 kg pails and 5 kg pails
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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Edition: January 2013