

PRODUCT FAMILY

Bonding Agents

MCT

# MC-S.B.R

## Styrene-butadiene polymer latex bonding agent

MC-S.B.R is a styrene-butadiene copolymer latex specially formulated for use with cementitious mixtures as a bonding agent.

| Shelf life | Specific gravity @ 25°C | Dosage              | Packaging            |
|------------|-------------------------|---------------------|----------------------|
| 12 months  | 1.02 g/cm <sup>3</sup>  | 2 kg / 50 kg cement | 20 kg   200 kg drums |

## Description

MC-S.B.R is a styrene-butadiene copolymer latex specially formulated for use with cementitious mixtures as a bonding agent.

## Where to use

- Floor screeds and toppings; abrasion-resistant, non-dusting floors.
- Interior renderings to concrete, brickwork, cork and other thermal insulation materials.
- Waterproofing and tanking, swimming pools, lift pits and basements.
- Concrete repair, honeycombs, spalled concrete, worn steps and surfaces, beams and precast elements as a bonding agent.

MCT TECHNICAL DATA

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## Advantages

- Improves waterproofing.
- Improves wear resistance.
- Improves durability.
- Improves bonding between old and new concrete.

## Technical data

|                         |                        |
|-------------------------|------------------------|
| Appearance              | White emulsion         |
| Solid content           | 40%                    |
| Specific gravity @ 25°C | 1.02 g/cm <sup>3</sup> |
| Dilution                | With water             |
| Toxicity                | Non-toxic              |
| Shelf life              | 12 months              |
| Rate of use             | 2 kg / 50 kg cement    |
| Packaging               | 20 kg and 200 kg drums |

MCT TECHNICAL DATA

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### Typical mortar properties

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Typical mortar proportion | 3 parts clean sand : 1 part cement; approx. 2 kg MC-S.B.R per 50 kg cement |
| Compressive strength      | 30-32 N/mm <sup>2</sup>                                                    |
| Flexural strength         | 10-13 N/mm <sup>2</sup>                                                    |
| Tensile strength          | 5-6 N/mm <sup>2</sup>                                                      |
| Chemical resistance       | Resists alkalis, mild acids, sulphates, chlorides, sugar, etc.             |

### Method of use - bonding slurry

Apply to damp substrates; dry substrates should first be wetted. For bonding slurry (priming), use 1 part water : 1 part MC-S.B.R and approximately 2 parts cement, mixed to a lump-free creamy consistency. Work the slurry well into the damp surface with a stiff brush. Do not allow the slurry to dry. Keep the slurry thickness at approximately 2 mm or less. Place the succeeding mortar wet-on-wet.

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### Method of use - screed & repair

Screed and topping: place the screed, topping or patching mortar onto the still-wet bonding slurry and use a low water-cement ratio for thick-layer mortar. Repair mortar: patch MC-S.B.R-modified mortar onto the still-tacky bonding slurry. Pre-mix MC-S.B.R with water at 1:1 to 1:2 before adding to sand/cement. The thinner the repair patch, the higher the MC-S.B.R dosage; use the 1:1 ratio for thin patches.

### Storage, packaging & consumption

Shelf life: 12 months. Packaging: 20 kg and 200 kg drums. Rate of use: 2 kg MC-S.B.R per 50 kg cement.

