



## Synthetically hardened construction emulsion

### Plastolan BM

Art. – No. 04.102.

#### APPLICATION AREA:

- To harden cement-bound and lime-bound building material mixes, like for example, repair mortar, adhesive mortar, joint mortar, plaster and setting layers.
- To use as a bonding mortar to bond old and new concretes.

#### CHARACTERISTIC:

Plastolan BM is a liquid, saponification-resistant synthetic material that is safe in terms of organic architecture, and which improves the properties of the mortar.

In mortar, Plastolan BM enables

- an increase in the compressive strength and strength in flexure.
- an increased flexibility whilst reducing the tendency to crack.
- an improved resistance to wearing.
- an increased resistance to water and acids as well as resistance to oil and petrol.
- an improved workability.

#### TECHNICAL SPECIFICATIONS:

|                         |  |
|-------------------------|--|
| Basic raw materials     | Acrylate   |
| Colour:                 | white  |
| Form:                   | viscous  |
| pH value                | 8.0 – 10.0   |
| Processing temperature: | Above + 5 °C   |
| Shelf life:             | c. 12 months   |
| Storage:                | Store away from direct sunlight and frost. Protect from impurities |

# TECHNICAL DATA SHEET

## DOSAGE:

|  | Fresh mortar (quantities by volume) |              |
|--|-------------------------------------|--------------|
|  | Plastolan BM: water                 | Cement: sand |
| <b>1. Repair mortar</b>                  |                                     |              |
| up to 10 mm thickness                    | 1 : 3                               | 1 : 2        |
| as of 10 mm thickness                    | 1 : 4                               | 1 : 3        |
| <b>2. Plaster, internal and external</b> | 1 : 10                              | 1 : 3        |
| <b>3. Adhesive mortar</b>                | 1 : 5                               | 1 : 2        |
| <b>4. Trowel finished layers</b>         | 1 : 2-3                             | 1 : 2-3      |
| <b>5. Surface coatings</b>               | 1 : 2                               | Cement only  |
| <b>6. Joint mortar</b>                   | 1 : 5                               | 1 : 3        |
| <b>7. Repairing exposed concrete</b>     | 1 : 3                               | 1 : 2-3      |

## PROCESSING INFORMATION:

- Add the Plastolan BM to the mortar's mixing water. If this is not possible, the Plastolan BM can also be thoroughly mixed in to the finished ready-mix mortar.
- Always ensure a sufficient mixing time.
- Use only washed natural sand as an aggregate. The diameter of the largest grain should not exceed half the thickness of the mortar layer that is to be applied.
- As a post-treatment, freshly applied mortar surfaces should be protected from drying out too quickly by using products from the MTC Curing range.

## WORK SAFETY:

- Not a hazardous substance as defined by the ordinance on hazardous substances
- Not hazardous goods as defined by transport regulations
- WHC 1 (self assessment) little risk of pollution
- Please refer to the safety data sheet

## FORM OF DELIVERY:

30 kg PVC can - gfn  
230 kg Poly drum gfn

## NOTE:

Always observe general work hygiene when using our products. The raw materials we process and the products we produce are subject to strict factory inspections. We reserve the right to make changes that signify a technical advance. All the information applies to the normal case scenario, and has been given to the best of our knowledge. We cannot be held legally liable as a result of the information included in this leaflet. It is stressed that our products and the procedure must be tested for suitability with your circumstances.

EFFECTIVE: 07/11

PRODUKTE FÜR  
BETON UND BAU