

Product Data Sheet  
Edition 07.2008  
Identification No. F - 16

**Cleaning:**

Cleaning all tools and equipment immediately after use with prokem special solvent .

**Packaging:**

Part (A+B+C)

Coloured : 35 kg

Transparent :27.5 Kg

**Storage :**

KEMFLOOR MS-NOVOLAC has a shelf life of 12 months if kept in original packing in a

**Health and Safety**

- Use gloves and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleanser, soap and water.
- Eye splashes to be removed with plenty of water.If ingested seek medical advice.

**Additional Information**

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range.

For our customers satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.

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**Prokem**  
SPECIALITY CHEMICALS

## KEMFLOOR MS-NOVOLAC

Heavy Duty, Super chemical resistant Epoxy Resin mortar Floor Screed

### Description

KEMFLOOR MS-NOVOLAC is a solvent free 3 pack components epoxy mortar screed, for an extremely high strength and exceptional chemical resistance floor topping.

### Where to use

A heavy duty epoxy mortar for dairies, food processing and soft drinks factories, hospitals and pharmaceutical industry, heavy engineering plant workshops and oil refineries.

### Advantages

- Solvent - free , no fire risk .
- Excellent adhesion to concrete ,mortar and steel substrate .
- Anti – slip, anti – skid finish.
- High mechanical strengths.
- High resistance to abrasion.
- High chemical resistance.

### Properties

Colour	Natural white, grey and others
Solids by volume	100 %
Specific gravity	1.95±0.1
Chemical resistance	PROKEM chemical resistance tables .
Coverage rate	11 kg/m <sup>2</sup> at 5 mm (5000 micron )
Thickness	thickness 5 – 10 mm
Technical information(at 23°C/after 7 days)	
Compressive strength	84 N/mm <sup>2</sup>
Flexural strength	34 N/mm <sup>2</sup>
Impact	2.5 N.m
Tensile strength	7 N/mm <sup>2</sup>
Pot life at 23°C	45 mins (reduced at higher temperatures)
Fully cured	7 days.

### How to use

#### Surface preparation :

All concrete Surfaces must be clean, sound, dry, free of dust laitance and unsound concrete and of oil, grease and mould.

All dust and debris should be removed prior to laying mortar .Steel surfaces should degreased and blasted to Sa 2½ immediately prior to application.

#### Mixing:

Stir the contents of part A with an electrical stirrer to disperse any settlement. Add part B to part A and mix for 2-3 minutes with a low speed drill. Add the mix (A+B) completely to the filler (C). Mechanical mixing is recommended until a homogeneous and uniformly moist mix is obtained.

Mixing ratio (A:B:C)

Transparent 1:0.3:13 by wt.

Colored 1:7.3:49.8 by wt.

#### Application:

KEMFLOOR MS-NOVOLAC should be spread to uniform thickness on the primed surface by the edge of a steel trowel. The material should be tamped with a wooden float to ensure complete compaction and finally finished to a closed even texture using a steel trowel.

#### Limitation :

- Expansion joints in the existing substrate should be continued through KEMFLOOR MS-NOVOLAC and filled to the required level with a suitable sealant.
- In constantly wet areas or where a high degree of cleanliness is required KEMFLOOR MS-NOVOLAC may be coated with KEMFLOOR NOVOLAC.
- To terminate at perimeters, up stands, columns and skirling extend the KEMFLOOR MS-NOVOLAC to form a cone.

#### Coverage:

1st step: Primer and bonding coat use part (A+B) as a primer coat 0.2 – 0.3 kg/m<sup>2</sup> (depending on substrate condition)

2nd step: Mortar screed KEMFLOOR MS-NOVOLAC (A+B+C) 11 kg/m<sup>2</sup>/5mm thick