

# TechnoCrete™SM200

Two Component Self-Leveling Mortar

## PRODUCT DESCRIPTION

TechnoCrete™SM200 is a two-component, polymer modified, cement-based self levelling mortar for the levelling and smoothing of floors. it is one of the best solutions to achieve a surface resistant to any impact, abrasion and corrosion. In addition, this self-leveling product does not absorb environmental pollution and can be easily washed and cleaned.



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## PHYSICAL PROPERTIES (Two Component Self-Leveling Mortar)

	Unit	TechnoCrete™SM200
Density	kg/l	1.11
Mixing ratio	By weight	100:48
Pot life	min	Approx. 40 min at +20 °C
Color	-	Grey
Minimum hardening temperature	°C	8
viscosity	MPa	500
Water absorb	%	0.25 per cent after 24 hours

## TECHNICAL DATA

feature	unit	amount
Abrasion resistance (EN13892-4)	µm	< 50
Compressive strength (EN 13892-2)	N/mm <sup>2</sup>	≥ 95
Flexural strength (EN 13892-2)	N/mm <sup>2</sup>	≥ 63

## ADVANTAGES

- High strength Excellent adhesion to applied surfaces
- Easy to apply
- Non- shrinkage
- Possibility of grouting in different thicknesses Resistant to mechanical influences, water and chemicals
- Excellent freeze-thaw stability

- Minimum amount of creep under constant loading

## TYPICAL USES

- Suitable for industrial areas
- warehouses floors
- gas station
- car parks and garage
- laboratories
- heavy-traffic areas
- food contact surfaces

## PACKAGING

Self-leveling floor mortar is supplied in 9 kg containers (A+B). Components A (resin) and B (hardener) are packaged in containers with a predetermined mixing ratio.

## INSTALLATION PROCEDURE

### PREPARATION OF SUBSTRATE

The surface on which the epoxy coating is to be applied must be dry (humidity less than 4%) and with sufficient resistance, and also be free of dust, loose particles, grease, etc., and be protected from moisture penetration below.

### PRIMARING

To prepare the surface, you can use a variety of epoxy primers for repair mortar offered by TECHNOPOL Trading Company.



### MIXING METHOD

The total amount of component B should be added to component A and stir the mixture for about 5 minutes with a low speed mixer (300 rpm). It is important to thoroughly stir the mixture near the sides and bottom of the container to achieve uniform dispersion of the hardener.

Self-leveling mortar of cement-polymer base with a thickness of 2 to 3 mm is applied using a trowel on the floor.

### LIMITATIONS

- It may be harmful with skin contact
- Do not apply in freezing conditions or during precipitation
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry
- Do not use when air and surface temperatures are below +5°C and above +35°C
- Avoid heavy traffic for 24 hours

### CAUTION

The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Safety Data Sheets (SDS) for detailed information.

### FAIRST AID

#### *Skin*

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

#### *Eyes*

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

#### *Inhalation*

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not

breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

#### *Ingestion*

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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