

PRODUCT DESCRIPTION

PRM™300 is a one component, fast setting and hardening cement based polymer modified general purpose repair and reprofiling mortar. PRM™300 is a ready-to-use material that can be used in many concrete elements such as beams, columns, slabs and tanks. This product with well graded sands and special additives provide rapid strength build-up even at sub-zero temperatures, improved durability and un-matched, low drying shrinkage.

PRODUCT FEATURES

- Pre-bagged for quality
- High early strength
- Rapid setting
- Contains no chloride admixtures
- Non corrosive to steel
- Can be overcoated
- Just add water to amount required
- Contains no chloride admixtures
- High build
- Low wastage
- Freeze/thaw resistant
- Easy to use; economical patching and labour saving material
- High early-strength
- Easily applied to clean, sound substrates
- Very good reinforcement protection due to very low water absorption

PRODUCT USES

- For repairing all types of structures not exposed to water submersion
- Overhead and vertical repairs
- Hand applied repairs
- For exterior and interior use
- Suitable for structural strengthening
- Bridge deck and highway overlays and repairs
- Concrete joint repairs
- Structural repair to concrete parking structures, dams
- Full depth patching repairs
- Horizontal repairs of concrete and mortar
- Formed wall and marine structure repairs

HOW TO USE

SURFACE PREPARATION

The concrete shall be free from dust, loose material, surface contamination and materials which reduce bond or prevent suction or wetting by repair materials.

MIXING:

- Pour the clean tap water in the mixing container and afterwards, while mixing, add PRM™300 powder slowly and steadily into the water.
- After 1 minute, add the rest of the powder and mix continuously until a homogeneous mortar is obtained. The total mixing time is 3 to 4 minutes until a homogenous, plastic consistency is obtained. Only use clean uncontaminated water.

APPLICATION:

If a bonding primer has been used apply repair mortar "wet on wet". The repair mortar shall be worked into the prepared pre-wetted substrate between the minimum and maximum layer thicknesses and shall be compacted without inclusion of entrapped air pockets



One Component Polymer Modified Repair Mortar - PRM™300

using a trowel or gloved hand applying TRM™400. The surface must be mat-damp, but without standing water.

TECHNICAL DATA

Appearance / Colour	Grey powder
Packaging	25 kg bag
Maximum Grain Size	1.5 mm
Shelf Life	9 months
Layer Thickness	Min 3 mm Max 30 mm
Fresh Mortar Density	Approx. 1.70 kg/l
Compressive Strength	
1 day	~ 10 N/mm ²
7 days	~ 25 N/mm ²
28 days	~30 N/mm ²
Substrate Temperature	+5°C min. / +30°C max
Pot Life	~ 30-50 minutes (at +23°C)

HANDLING

Approved personal protection equipment should be worn at all times; for example do not eat, smoke or drink while working and wash hands when taking a break or when the job is completed. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling mortar to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

STORAGE

Store in original unopened, sealed and undamaged packaging in dry and cool conditions.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any

PRM™300

One Component Polymer Modified Repair Mortar

claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.