



RMP 20

Non- Shrinking Mortar for Paving and Industrial floors

Description

Spartan RMP 20 is a ready-to wet mortar composed of sand, special cement and admixtures.

Characteristics

- 1) Fast hardening
- 2) High mechanical strength

Repair to industrial floors and concrete walkways

- *Substrates must be sound and clean.*
- *A preliminary study must be carried out on cracked substrates.*
- *Mark the boundaries of the area to be repaired, preferably by sawing.*
- *Remove damaged material to leave a thickness of 2 cm with clean ridges. Loose particles must be raked out and all traces of grease and oil removed.*
- *Dust and rinse thoroughly.*
- *Fill the cleared area with water and soak for several hours.*
- *Remove residual water.*
- *Make up a micro - concrete with SPARTAN RMP 20.*
- *Apply the micro - concrete with a poker or tamper.*
- *Smooth the surface of the micro - concrete with a machine trowel (or similar).*
- *The mortar surface must be treated with a protective coating.*

- *Foresee the need for intermediate joints and respect the existing structural joints.*

Uses

- 1) Repairs to industrial flooring, concrete walkways and roads, pot-holes, undercuts.
- 2) Bed-face for high-traffic paving and road surfaces.

Substrate preparation

- For use on rigid substrates only (cement-stabilised gravel, concrete.) Substrate must be clean, sound and free of any loose or flaking parts.
- If necessary, the surface should be smoothed prior to application.
- Dampen the substrate.
- A slurry may be applied in certain cases.

Mortar Preparation

- 1) The mortar is obtained by mixing SPARTAN RMP 20 with portable water.
- 2) Machine mix to a plastic consistency.
- 3) Mixing time: 3 minutes minimum.
- 4) Workable life after mixing: 1hour maximum.

Application (Bed-face for paving)

- 1) Dampen the substrate.
- 2) Lay a bed-face suited to the type of paving.
- 3) Tamp down the paving with a mallet.



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Specifications

- Grey ready to-wet powder
- Hydraulic binder active ingredients
- Chloride and metal particle free
- Particle size : 0 - 2mm
- Powder density : 1.4

Packaging

25Kg long-storage bag

Storage

12 months from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

Precautions

- Temperature range for use : 5°C to 35°C
- Do not apply to frozen or thawing substrate.
- Surfaces must be protected from air once setting starts.
- Do not mix with other hydraulic binders.
- Sand and admixtures must not be added.
- Aggregates used for making up micro-concrete must be frost resistant (frost index ≤ 10)
- Refer to safety data sheet.

Setting Time

Temperature	30°C	20°C	5°C
Initial setting	50mins	90 mins	3 hours

Compressive Strength

Period	1 day	7 days	28 days
MPa	50	75	>80

Tensile Bending Strength

Period	1 day	7 days	28 days
MPa	8	8.5	9.5

