

PRODUCT FAMILY

Flooring & Floor
Hardeners

MCT

MC-Floor Plate

Metallic-Aggregate Dry-Shake Surface Hardener

Ready-to-use dry-shake hardener with rust-resistant metallic-alloy aggregate, cementitious binders and selected additives for greater abrasion and impact resistance.

Apparent density @ 20°C	Compressive strength	Consumption	Packaging
1.6 ± 0.1 g/cm ³	650 kg/cm ²	3-11 kg/m ² by duty	25 kg

Description

MC-Floor Plate is a ready-to-use dry-shake surface hardener containing processed rust-resistant metallic-alloy aggregate, selected cementitious binders, plasticizers and performance additives. It forms a heavily armoured surface for industrial floors requiring extra abrasion and impact resistance.

Where to use

- Long-life, low-maintenance industrial floors.
- Industrial surfaces subject to heavy traffic, severe impact and high abrasion.
- Areas where surface dusting could affect product purity or precision machinery.
- Floors requiring additional abrasion and impact armoring at a practical installation cost.

MCT TECHNICAL DATA

MC-Floor Plate

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Advantages

- Can be applied as a dry shake at heavier rates while remaining practical to place.
- Provides high abrasion and impact resistance.
- Produces a dense surface resistant to oil and grease penetration.
- Reduces surface dusting and does not form rust.
- Easy to clean and maintain.
- Can be finished smooth or non-slip.
- According to the source, extends service life compared with plain concrete.
- Resists water and oil penetration.

Limitations

- Do not use in areas exposed to acids.
- Do not apply over concrete containing chlorides.
- Do not apply over concrete with entrained air above 3%.

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Technical data

Colour	Grey
Apparent density @ 20°C	1.6 ± 0.1 g/cm ³
Compressive strength	650 kg/cm ² - BS 1881 Part 4
Aggregate hardness	7-8 - Mohs scale
Abrasion resistance	Improved by about 260 ± 10% - BS 784
Packaging	25 kg moisture-resistant bags

Application rate

Light to moderate duty	3.0-4.5 kg/m ²
Moderate to heavy duty	4.5-7.0 kg/m ²
Extra-heavy duty	7.0-11 kg/m ²

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Application

- Broadcast the product manually over freshly placed concrete before initial set, ensuring uniform distribution.
- Float and finish the surface with suitable equipment, integrating the metallic aggregate into the surface layer until the required density and smoothness are achieved.
- If service conditions require more than 11 kg/m² or an unusual armouring thickness, consult MCT technical support as indicated by the source.

Curing & precautions

- Cure the surface with water or an MCT-approved curing compound.
- Do not use salt water or brackish water for curing.
- The product contains cement; avoid eye contact and prolonged skin contact.

Packaging

MC-Floor Plate is supplied ready to use in 25 kg moisture-resistant polyethylene bags. No additional on-site weighing or blending of ingredients is required.

