

ROCAFLOOR™ HD 190

NON METALLIC POWDER FLOOR HARDENER

DESCRIPTION

Rocafloor™ HD 190 is a non-metallic floor hardener dry powder for shake on application on fresh concrete. After compacting and smoothing with mechanical trowelling machine, Rocafloor™ HD 190 will make a dense floor increasing the surface hardness for better abrasion resistance.

RECOMMENDED USES

- Industrial floor
- Warehouse floor
- Distribution and logistics floor
- Car park
- Public area
- Shopping Mall

MAIN PROPERTIES

- Increase surface hardness
- Resist to abrasion
- Wear resistance
- Increase impact resistance
- Easy to clean
- Make surface more dense, so refrain absorption of oily substance

TECHNICAL PROPERTIES

| | |
|-----------------------|-----------------------------|
| Appearance | Powder |
| Particle Size | 0-2 mm |
| Specific Gravity | 1.5 ± 0.1 |
| *Compressive Strength | 735 KSC (Cube) ASTM C109 |
| *Abrasion Resistance | 0.56 g |
| *Flexural Strength | 79.65 KSC ASTM C348 |
| *Tensile Strength | 47.55 KSC ASTM C944-99 |
| *Surface Hardness | 8-9 Moh's Scale |

COLOR

Natural Cement Gray, Light Gray, Dark Gray, Yellow Buff, Green, Orange, Blue, Red

SHORT SPECIFICATION

Non metallic powder floor hardener with particle quartz sand size of 2 mm maximum.



MIX AND INSTALLATION

Rocafloor™ HD 190 should be applied in 2 steps. First step 2/3 of total consumption specified either 3 kg to 7 kg per square meter. Second step 1/3 of total consumption.

First step: Rocafloor™ HD 190 should be shake on broadcast either manually or with machine spreader over the fresh concrete when the concrete slab allows to walk over and leave a foot print depth of 5mm maximum. Then compact surface with mechanical troweling machine mounted with pizza pan

Second step: repeat same process by using the rest (1/3) of material.

TRAFFICABILITY (at 35 °C)

Trafficability is directly related to the concrete mix design. Numbers below are given as guide information, for concrete standard mix design of 240 KSC(cyl)

- Foot traffic: 12 hours
- Normal traffic: 28 days

PRODUCT COVERAGE

- 5 sqm/bag 25 kg, for specification of 5 kg/sqm.

PACKAGING

- 25 kg/bag
- 50 bag/pallet

CAUTION

- When Rocafloor™ HD 190 is already applied, should not spray water better, but if too dry spray minimum of water.

HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.

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PRODUCT DATA SHEET

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Technology for Engineers