

TECHNICAL DATA SHEET FOR

FLOORSHIELD 841 MINERAL FLOOR HARDENER

DESCRIPTION : Floorshield 841 Mineral Floor Hardener is a single component, quality controlled, factory blended, ready to use monolithic surface hardening compound. It consists of a special blend of hardwearing aggregates, high performance workability admixtures to produce a material which is applied as a dry shake over freshly floated concrete or floor screed.

TYPE : Single component monolithic surface hardener compound

USES : Floorshield 841 Mineral Floor Hardener provides a highly abrasion resistant surface to concrete floor by the dry shake method. It is ideal for use in all industrial areas subjected to the heaviest traffic, e.g. carparks, ramps, workshops, loading bays, factory floors, production areas, etc.

FEATURES :

- Pre-packed - easy and economical to apply
- Forms monolithic bond with base concrete.
- Provides a hard, abrasion resistant surface.
- Resistant to oil and grease
- Non-metallic - Nippon Floorshield 841 Mineral Floor Hardener provides a non-slip, non-rusting surface.

APPLICATION DATA

METHOD : Trowel

Intended traffic use	Application rate kg/m²	Coverage per bag
Light traffic	3.0 - 3.5	7 - 8m ²
Moderate traffic	4.5 - 5.0	5 - 5.5m ²
Heavy traffic	7.0 - 7.5	3 - 3.5m ²

DIRECTION OF USE : The base concrete should be placed and compacted in accordance with good concrete practice.

Application

Floorshield 841 Mineral Floor Hardener is applied at different application rate to meet the demands for different types of usage.

The sprinkling is broadcast in two applications, perpendicular to each other to achieve a more uniform coverage.

For the first broadcast, sprinkle 2/3 of the required quantity Floorshield 841 Mineral Floor Hardener onto a freshly spread and floated concrete slab surface (foot pressure results in 3-5mm indentation) after the water sheen has disappeared.

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Allow sufficient time for the Floorshield 841 Mineral Floor Hardener to be moistened by the water from the base concrete or color tone to turn darker before floating.

Floorshield 841 Mineral Floor Hardener shall be floated by hand or mechanical power floating to embed the hardener onto the surface of the concrete.

Allow 30-50 minutes time interval before carrying out the second broadcast. Broadcast the remaining Floorshield 841 Mineral Floor Hardener at right angle to the first and further power troweled until a hard, wear resistant surface is obtained.

Further troweling is recommended using a power float to achieve the desired finish.

Curing

Proper curing and sealing with polyethylene sheets is essential to achieve optimum performance of the floor finish.

TECHNICAL DATA

Colour	Natural, Cool Grey, Leaf Green
Abrasion Resistance (Moh Hardness)	7
Compressive Strength	60 N/mm ²

GENERAL INFORMATION

PACKING : 25 kg bag

SHELF LIFE : 12 months when store in a unopened, and kept in a cool and dry place, protected from rain and sunlight and extreme temperatures.

PRECAUTION : Gloves goggles and dust mask should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Powder products should be handled to minimize dust formation.

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

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