

JAZEFLOOR HARD TOP

Dry Shake Monolithic Mineral Surface Floor Hardener

Product Description

JAZEFLOOR HARD TOP is quality control ready – to use dry shake surface floor hardener. It is formulated to provide a compound that is easy to trowel into the surface of new & fresh laid concrete. It cures monolithically providing hard & dense, non-porous concrete surface with excellent protection against wearing & abrasion and impact resistant overcoming the problem associated with thin (granolithic) screed such as shrinkage, cracking and other defects. It is providing continuous protection against water & soluble salts, chemical and reagents such as hydraulic fluids, oil & grease, etc.

It contains mineral hard wear aggregates, hydraulic binders, pigments, special additives to improve workability and other physical properties.

It is supplied in six standard colours: grey, off-white, yellow, brick-red, brown, green, and black.

Uses

JAZEFLOOR HARD TOP is formulated to be used as dry shake floor hard that cures monolithically providing continuous protection for the new (fresh) concrete floor surfaces against wear, impact and abrasion. It suitable for:

- Power stations.
- Garages.
- Warehouses.
- Traffic lanes.
- Workshops.
- Industrial areas.
- Car parks.
- Service stations.
- Shipyards.
- Aircraft hangars.
- Car washes
- Gas stations.
- Helicopter pads.
- Agriculture buildings.
- All similar works
- Restaurants, shops and showrooms.

Advantages

- Easy to apply.
- Factory quality control premixed.
- Monolithic overcoming the problems associated with granolithic screed such as shrinkage and cracking.
- Wear, abrasion and impact resistant.
- Provides dense, high impermeable concrete surface.
- Eliminates surface dusting.
- Maintenance – free, long life performance.
- Provides anti-slip finish.
- Economical installation

Standards

ASTM C- 944 (Abrasion resistance) and BS 8204

Technical Properties

Appearance	Free flowing powder
Specific Gravity	2.2
Compressive strength (N/mm²)	70
Moh's Scale	7
Abrasion resistance	It improves the abrasion resistance of concrete surfaces by 250 %.



Chemical resistance

It resists motor oils, water and water soluble salts, mild acids.

Application Rate

Light Traffic
3 Kg / m²

Medium Traffic
5-Kg / m²

Heavy duty
7-Kg / m²

Guide for Applications

Application Instructions

JAZEFLOOR HARD TOP shall be applied at application rate and sufficient materials should be laid out to comply with the recommended spread rate.

Concrete Base

In accordance with ACI recommendations: ACI 201.1R-92: "Guide to Durable Concrete", and ACI 302.1R-96: "Guide for Concrete Floor and Slab Construction" the proper mix design is recommended and essential. The concrete supplied should have the following minimum standards:

- Cement Content, OPC or SRC: 320 –kg at least
- Slump: 8 cm
- Compressive Strength: 35 N / mm² at least
- Water / Cement, W/C Ratio: 0.50
- Air Content: 3 % at least
- Thickness of Screed: 75 –mm at least

The use of our chemical admixtures for concrete can achieve these recommendations (see separate data sheets).

Concrete based shall be laid and compacted in accordance with concrete practice. Edges and corners should be finished properly.

Application

JAZEFLOOR HARD TOP is applied in two stages in accordance with application rate mentioned:

(a) The first application is broadcast 2/3 of the defined amount at an even onto the concrete surface. When the material becomes uniformly dark grey by absorption of moisture from concrete base, the material can be floated by wooden floats or by power float disc for large areas. The surface shall not overworked.

(b) Immediately after floating, the second (balance) is applied evenly over the surface as the first. Again, when the moisture has been absorbed, surface can be floated in the same methodology as before.

Careful trimming should be taken along the edges where adjoining slabs are to be poured.

Curing

Curing shall be carried properly immediately after the final floating. JAZECURE – AR or JAZECURE – RB is recommended (see separate data sheet).

Cleaning

Clean tools and equipment after finish work immediately with water.

Packaging

JAZEFLOOR HARD TOP is supplied in 25- Kg pack size.

Storage & Shelf-life

JAZEFLOOR HARD TOP shall be stored in normal conditions away from any extreme temperatures and moisture. Shelf-life is 12 months if stored properly in well-sealed containers.

Health & Safety

- JAZEFLOOR HARD TOP is non-toxic, non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly to water or soil. Mix with water and wait till hardening and then bury in landfill.
- Splashes on skin will be washed with water and soap.

JCC CONSTRUCTION CHEMICALS

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the application they intend to use our products for.

JCC endeavors to ensure that any advice, recommendation, specification of information in accurate and correct manner.