

## JAZEFLOOR METAL TOP

Impact & Abrasion Resistant, Dry Shake Monolithic Metal Surface Floor Hardener

### Product Description

JAZEFLOOR HARD TOP is quality control ready – to use dry shake surface metallic 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 extremely 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 selected non-corrosive treated metallic hard wear aggregates, hydraulic binders, corrosion inhibitor, pigments, special additives to improve workability and other physical properties. It is supplied in five standard colours: grey, brick-red, brown, green, and black.

### Uses

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

- Power stations.
- Garages.
- Warehouses.
- Traffic lanes.
- Workshops.
- Car parks.
- Service stations.
- Shipyards.
- Aircraft hangars.
- Car washes
- Gas stations.
- Manufacturing areas.
- All similar works
- Transport terminals.

### Advantages

- Easy to apply.
- Factory quality control premixed.
- Contains hard wear non-corrosive metallic aggregate.
- Contains corrosion inhibitor.
- Monolithic overcoming the problems associated with granolithic screed such as shrinkage and cracking.
- Excellent 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

<b>Appearance</b>	Powder form in five standard colours.
<b>Specific Gravity</b>	2.30
<b>Compressive strength (N/mm<sup>2</sup>)</b>	85
<b>Moh's Scale</b>	7



**Abrasion & Impact Resistance**

It improves the abrasion resistance of concrete surfaces by 250 %, and improves impact by 500 %

**Chemical resistance**

It resists motor oils, water & waterborne salts.

**Application Rate**

<u>Light Traffic</u>	<u>Medium Traffic</u>	<u>Heavy duty</u>
3 Kg / m <sup>2</sup>	5-Kg / m <sup>2</sup>	7-Kg / m <sup>2</sup>

**Guide for Applications**

**Application Instructions**

JAZEFLOOR METAL 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 / mm<sup>2</sup> 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 METAL 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 METAL TOP is supplied in 25- Kg pack size.

**Storage & Shelf-life**

JAZEFLOOR METAL 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 METAL TOP is non-toxic, non-hazardous during handling, 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.