

# DURAFLEX

## LIQUID SURFACE HARDENER



- Enhances resistance against dusting and abrasion
- Environmentally friendly
- Easy to apply

### DESCRIPTION

**DURAFLEX** is a single component liquid surface hardener for concrete and cement based surfaces.

### TYPICAL APPLICATIONS

- Internal and external use,
- Concrete, natural stone and brick,
- Access floor systems,
- Aircraft runway and hangars,
- Factories and production plants,
- Garages and parking lots,
- Warehouses,
- Food and beverage facilities.

### ADVANTAGES

- Protects surfaces (ie: concrete, natural stone and brick) against freeze/thaw cycle,
- High resistance to abrasion and dusting (old/new surfaces),
- Increases surface resistance against lubricants, oils, detergents and water,
- Slows dehydration of fresh concrete and helps curing,
- Protects the reinforcement due to high alkali value,
- Applicable on existing and fresh concrete,
- Non-toxic and non-flammable,
- Protects the concrete surface against atmospheric gases,
- Water based, environmentally friendly,
- Easy to apply.

### TECHNICAL PROPERTIES

**Physical Appearance:** Liquid

**Color:** Transparent

**Density:** 1,1 ± 0,05 g/cm<sup>3</sup> 20 °C

**pH:** 12

**Application Temperature:** +5 °C to +35 °C

**Service Temperature:** -30 °C - +80 °C

**Time Required For Open Traffic:** min. 2 days

**Abrasion Resistance:** < 4,0 cm<sup>3</sup>/50 cm<sup>2</sup>

**Initial Film Formation:** 4-6 hours

**Final Film Formation:** 24 hours

Above given data is applicable under 23 °C and 50% relative humidity.

**Reference Standards**

EN 1504-2

### DIRECTIONS FOR USE

#### SURFACE PREPARATION

- Application surface should be clean, and free from dirt, oil, paint, loose particles, mortar and plaster residues.
- Repair surface irregularities with InterfiKS Repair Mortars (**CR MORTAR SERIES, FIXGROUT GP**).
- Brush the surface thoroughly with a hard broom or wire brush. Remove all dust with a soft broom or industrial vacuum cleaner.

- Splash some water onto the surface. If water droplets are observed on the floor, repeat the cleaning process (as the floor is not cleaned properly). If water is absorbed, proceed with the application.
- Saturate the surface with water before application, but remove any standing water.

#### APPLICATION

- Apply **DURAFLEX** onto the surface with brush, roller or spray. Distribute any remaining unabsorbed material evenly with a brush.
- **DURAFLEX** is applicable onto fresh concrete once the surface sheen has disappeared and the concrete can be walked on.

#### WATCHPOINTS

- Do not apply under rain.
- Existing coating materials on the surface must be removed before **DURAFLEX** can be applied.
- The surface must be thoroughly dampened and not allowed to dry under direct sunlight or wind.
- There shouldn't be any **DURAFLEX** accumulation on the surface.
- Mix well before use

#### CONSUMPTION

0.200 - 0.300 kg/m<sup>2</sup> depending on the surface absorption.

#### PACKAGING

30 kg plastic container

#### STORAGE and SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions. Avoid from direct sunlight and frost. Avoid from storing at temperatures below +4 °C.

#### HEALTH and SAFETY

As with all chemical products care should be taken during use and storage. Avoid contact with food, skin, clothes, eyes and mouth. If accidentally ingested seek immediate medical attention. In case of contact with skin or eyes, wash with a plenty of water and soap. Should be kept away from children. Reseal containers after use. Please consult Material Safety Data Sheet (MSDS) for further information.

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