

Non-metallic dry shake natural aggregate Floor Hardener

## DESCRIPTION

**DUTOP 100** is powder made by Portland cement, graded mineral dried aggregates, polymer & additives. **DUTOP 100** use as dry shake floor hardener over freshly applied concrete floor. Its apply on fresh concrete to improved abrasion resistance, strength and impact resistance.

## RECOMMENDED USE

**DUTOP 100** is recommended to use on a well compacted & leveled sub-graded concrete. Applications include floor areas of:

- Light Industrial and commercial buildings
- Power stations
- Basement and cellars
- Agricultural buildings & yards
- Mechanical workshops
- Desalination plants
- Storage rooms
- Laboratories
- Corridors, halls
- Abattoirs
- Educational institutions
- Steel industries
- Parking areas
- Railway platforms
- Loading platforms

## FEATURES AND BENIFITS

**Easy application** - Pre-mixed powder, easy to dry shake & trowel.

**Increases Strength** - Compressive strength increases wear resistance of concrete floors.

**Abrasion & high impact resistance** - minimized maintenance of floor surface and allow movements of vehicular traffic due to high abrasion & impact resistance.

**Dust resistance** - Prevents dust generation due to movements.

**Dense surface** - it forms dense & low permeability substrate thus increased resistance to ingress of oil and grease and Very low water absorption.

## PROPERTIES

Aspect	Free flowing powder
Hardness on Moh's scale	7 - 8
Resistance,1kg H22	< 1000 mg (ASTM D 4060 –1000 cycles)
Abrasion Resistance (ASTM C779)	0.65mm at 60 minutes (33MPa concrete more than 1.4mm at 60
Impact resistance (LA Rattler)	50% weight Loss (33MPa concrete has 70% loss of weight)

**Note:** The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

## APPLICATION

**DUTOP 100** is to be applied to a surface, which is neither too wet nor dry. Recommended time period is 30 - 40 minutes at the temperature of 35-40°C, after the base concrete has hardened enough to leaves light foot prints of about 3-6 mm concrete should have a wet sheen.

## CONSUMPTION

Coverage of **DUTOP 100** is 3kg/m<sup>2</sup> for light duty traffic, 5kg/m<sup>2</sup> for medium duty traffic & 7kg/m<sup>2</sup> heavy duty traffic.

### Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

# DUTOP 100

## TECHNICAL DATA SHEET (TDS)



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### PACKAGING

**DUTOP 100** is available in 25kg bag.

### STORAGE/ SHELF LIFE

**DUTOP 100** has a shelf life of 18 months. Store recommendation is out of direct sunlight, clear of the ground on pallets and protected from rainfall.

### SAFETY & PRECAUTION

Care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapor until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals.

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**Ducon Construction Chemicals Industries Ltd.**

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