



# MAXDUR®

## CEMENT-BASED SURFACE HARDENER FOR CONCRETE FLOORS



### DESCRIPTION

**MAXDUR®** is a product composed of special cements, pigments, additives and aggregates designed to be applied on fresh concrete in order to improve its abrasion resistance, and provide an anti-dust finish in one single application.

### APPLICATION FIELDS

- Concrete floors of garages, parking areas, shopping malls, sport installations, schools, hospitals, subjected to moderate or medium traffic.
- Dock slabs in warehouses, industries, fuel stations with moderate erosion.

### ADVANTAGES

- Increases the durability against wearing for concrete floors.

- Reduces the formation of superficial dust.
- Improves the resistance against impacts.
- Provides colour to pavement.
- Bonds structurally into the surface becoming part of the slab.
- Easy application by powdering over the fresh concrete.
- Low installation costs. Without maintenance.
- Easy cleaning of the treated surface.

### APPLICATION INSTRUCTIONS

#### Surface preparation

Concrete slab should be perfectly extended, lined and levelled. Concrete will be designed with enough structural resistance for the use required.

#### Application

Once the fresh concrete has the proper consistency, trowel off the surface with a mechanical trowel.

Remove any puddle or surface water, and then **MAXDUR®** is spread in powder form over the whole surface. Wait until **MAXDUR®** becomes moist. Do not wet the surface of the concrete during the application. If there is any water or slurry on the surface means that it is still too fresh. Compact **MAXDUR®** with help of a trowelling machine. Avoid overworking the surface.

For correct curing of the floor and minimize the risk of appearance of fissures and different colour intensity, the water-based curing compound **MAXCURE®** must be used following its application instruction (Technical Bulletin No. 49). Wet burlaps and plastic sheets can be also used.

#### Application conditions

Do not apply below 5 °C or if lower temperatures are expected in the first 24 hours. Follow curing procedures by spraying fine mist of water, application of curing agents or placing of wet burlaps/ plastic sheets with temperatures above 35°C.

#### Cleaning

All mixing and application tools, and equipment must be cleaned immediately with water after use. Once product hardens, this can only be removed by mechanical means.

#### CONSUMPTION

Estimated consumption for **MAXDUR®** varies from 4,0 to 6,0 kg/m<sup>2</sup> per application, depending on the abrasion and traffic type that is expected over the surface.

#### IMPORTANT INDICATIONS

- Do not add cements, lime, aggregates, or other compounds.
- Spread **MAXDUR®** uniformly over the whole surface to be treated otherwise a different colour intensity can be expected.
- Differences in the colour intensity may occur due to different mixing water ratios, cement

type, weather conditions, overwork on surface, etc. For uniform aesthetic colour finish, use an epoxy or polyurethane coating.

- Do not use solvent-based curing agents.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

#### PACKAGING

**MAXDUR®** is supplied in 25 kg bags. It is available in grey, red and green colour.

#### STORAGE

Twelve months in its unopened original bag. Store in a cool, dry and covered place, protected from moisture, freezing and direct sunlight, at temperatures above 5 °C.

#### SAFETY AND HEALTH

**MAXDUR®** is not a toxic product but is an abrasive composition. Avoid direct contact with skin and eyes, and breathing dust. Use rubber gloves and safety goggles during application. In case of skin contact, wash affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **MAXDUR®**.

Disposal of the product and its packaging should be carried out according to the current official regulations and it is responsibility of the final user of the product.

## TECHNICAL DATA

Product characteristics		
General appearance and colour	Pigmented powder	
Cured product characteristics		
Abrasion resistance (Taber Index), ASTM D-4060. (Wheel: H-22 & Load: 2,0 kg)	500 Cycles	1.000 Cycles
Weight loss: Concrete reference / MAXDUR® with 4,0-6,0 kg/m <sup>2</sup>	10,0 / 3,8-2,2	6,4 / 3,1-2,0
Consumption*		
Consumption per application, (kg/m <sup>2</sup> )	4,0-6,0	

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO**®, **S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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ISO 9001  
ISO 14001

**BUREAU VERITAS**  
Certification



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