

# SUPERDUR

## Surface hardener



### PRODUCT DESCRIPTION

SUPERDUR is a ready-to-use powder surface hardener, designed for interior and exterior concrete slabs, with a gray cement appearance.


### FIELDS OF APPLICATION

SUPERDUR meets the needs of professional users to protect concrete slabs by dry-shake application. It is used to increase abrasion resistance and reduce surface dusting.

Suitable for: Warehouses, parking lots, workshops, service stations, etc

### PRODUCT CHARACTERISTICS & PERFORMANCE

#### Application Characteristics :

Application thickness	3 to 5 mm
Time before use :	
Pedestrian traffic	1 to 2 Days
Light vehicle traffic	7 to 10 Days
Normal traffic	28 Days
 <b>Packaging :</b>	<ul style="list-style-type: none"><li>• 25 kg waterproof paper bag.</li><li>• Moisture-proof pallet (wrapped/covered) of 1.6 tons, or 64 bags of 25 kg.</li></ul>

### APPLICATION

#### Surface Preparation (DTU 26-2)

- The concrete slab must have a minimum thickness of 15 cm.
- Level the concrete with a vibrating screed, then smooth it with a mechanical trowel (helicopter) as soon as its plasticity allows.

#### Method of Use :



- Apply after the initial setting of the concrete, when a thumb press leaves a 3 to 5 mm deep indentation.

Spread SUPERDUR evenly on fresh concrete, manually or with a suitable tool.

#### Manual Application:

- Sprinkle in two passes for optimal results, ensuring even distribution.

#### Mechanical Application:

Requires one even pass over the concrete.

#### Troweling :

##### First Pass :

- Wait until SUPERDUR is uniformly moistened by the concrete's water, then trowel manually for corners and edges, and mechanically (helicopter) at low speed for the main surface.

##### Second Pass:

- Achieve a smooth surface using a mechanical trowel with finishing blades.

### PRODUCT ADVANTAGES

- Easy to apply.
- Uniform appearance.
- Easy to maintain.
- High abrasion resistance.
- Excellent impact resistance.
- Reduces surface dusting.
- Improved resistance to oils and greases.

### STORAGE:

12 months from production date, in unopened original packaging, protected from moisture and frost.

### Coating Performance (EN 13813):

Abrasion resistance (BCA)	AR2
Adhesion	B1.35
Fire reaction	Class A1

All values in this technical data sheet are based on laboratory tests. They can be significantly altered by application conditions.



#### Consumption :

5 to 7 kg/m<sup>2</sup> depending on the thickness of the surface reinforcement.

### Curing: Recommended Step :

- A specific "SUPROTEC" curing compound should be sprayed immediately after finishing work over the entire surface to prevent premature drying, crazing, or efflorescence.

#### Tool Cleaning:

Tools should be cleaned with water before the cement hardens.

**Application Temperature:** Between 5°C and 35°C.

#### Recommendations:

- Do not apply on frozen or thawing surfaces, hot surfaces, in direct sunlight, on soaked surfaces, under heavy rain, or in strong wind.
- Depending on the characteristics of the concrete substrate (water dosage, cement quality), slight color variations may be observed.

#### Note :

Any tearing of the surface or appearance of laitance indicates that the concrete is still too fresh and that you need to wait.

### LEGAL NOTICE

- The technical characteristic values are average statistical values and may be updated without prior notice. This document is non-contractual, and no liability can be accepted for damages resulting from improper use.

### REFERENCE DOCUMENTS

- EN 13813 \_ DTU 26-2 \_ DTU 13.3.

