

DUROTOP

heavy duty abrasion resistant surface hardener premix

DUROTOP is corundum contained, ready-to-use dry shake hardener, which is a combination of factory premixed, assorted hardening particles, additives and hydraulic binder.

Designed for increasing the abrasion resistance of freshly laid monolith concrete floors, cement based estrichs. Ready-to-use dry shake surface hardener. Two versions are available: normal DuroTop and – with increased corundum content – DuroTop KS.

AREAS OF USE – DUROTOP

- Logistics centres, high level warehouses
- Heavy duty manufacturing plants

AREAS OF USE – DUROTOP KS

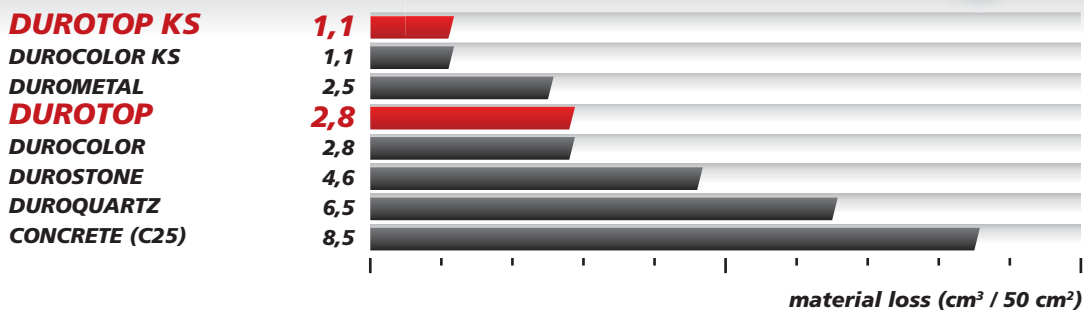
- Floors with extreme requisition requirements
- Smeltery, metal processing plants
- Workshops for metal and rubber track driven machinery
- Barracks

PRIMARY FEATURES

- Exceptional abrasion resistance
- Shock resistance
- Oil resistance
- Dust free
- Easy to clean



BÖHME ABRASION RESISTANCE



Product description



DUROTOP is designed to construct external and internal floors, which are prone to heavy duty utilization and intensive applications. Its use significantly increases the treated floor's lifespan. Only available in natural grey. The colored versions are offered as **DUROCOLOR** products. **DUROTOP** is available in standard and **PLUS** variations.

FEATURES

- Extremely hard, abrasion resistant surface
- Impact resistant
- Easy to clean and maintain
- Dust free
- Oil resistant
- Non-slippery
- Homogeneous, aesthetic, shiny surface
- Can be used in food processing facilities
- Non-flammable

TECHNICAL DETAILS

DUROTOP

- Abrasion resistance by MSZ EN 13892-3:
Böhme = 2,8 cm³/50 cm²
- EU Abrasion classification: A3

DUROTOP KS

- Abrasion resistance by MSZ EN 13892-3:
Böhme = 1,1 cm³/50 cm²
- EU Abrasion classification: A1,5
- Compressive strength: ≥ 60 N/mm² after 28 days
- Flexural strength ≥ 7 N/mm² after 28 days
- Hardness by MOHS scale: 8-9

INSTALLATION

This is a wet on wet technology, which assures the perfect binding between the concrete and the dry shake hardener. Therefore, the installation of **DUROTOP** is carried out simultaneously with the laying of the new concrete surface.

MANUAL SPREADING

The fresh, step resistant concrete should be pre-polished to ensure that moisture comes up to the surface. Then the specified amount of **DUROTOP** hardener should be spread evenly onto the surface in two to three layers. The spreading process can be carried out by either a manual spreading cart or by a shovel.

USING A SPREADER MACHINE

After levelling the surface with a Laser Screed, **DUROTOP** should be spread directly on to the fresh concrete in one or two layers.

SLURRY APPLICATION

DUROTOP should be blended with water on the job-site (6 kg/liter) and spread on the step resistant floor after pre-polishing process. For slurry application, only **DUROTOP PLUS** version can be used.

MATERIAL REQUIREMENTS – LAYER THICKNESS

Manual spreading:	4-7 kg/m ²	2-3mm
Machine spreading:	4-10 kg/m ²	2-4mm
Slurry application:	10-17 kg/m ²	4-7mm

DUROTOP FLOOR FINISHING PROCESS

This part of the **DUROTOP** installation process is done by either hand trowels and/or by double disc power trowel machines until the surface becomes smooth, hard and shiny. The quality of the floor can only be ensured, if the installation instructions are followed properly. (Please read our detailed Installation Guide.)

CURING – AFTER CARE

DUROTOP floors need to be protected against the quick evaporation after the polishing process. A curing agent should be applied immediately after the finishing operation in order to avoid cracking. We suggest **DUROCURING** as a curing agent.

JOINTS

To fill the saw cut joints, we are offering **DUROPLAST** PVC joint profile strips.

FIRST TIME USE AND MAINTENANCE

Before the use of the new floor can begin, the following drying periods and precautions must be obeyed:

Pedestrian traffic: 2 days.

Light traffic: 7 days.

Intended normal traffic: 28 days.

For cleaning purposes, use only Ph neutral detergents.

(Please refer to our maintenance manual.)

PACKAGING

In bags of 25 kg on 1200 kg capacity pallets.

STORAGE

The shelf life of **DUROTOP** is 12 months, when stored in dry and non-frost, cool conditions.

Warning!

This product description is based on laboratory tests and on the results of our own experiences. Material consumption and installation process can be influenced by additional circumstances of the application process as well. The contractor responsible for the application should verify our prepositions by a preliminary test and ensure that the conditions of the installation are ideal. We do not take any responsibility for any damage caused by defective installation. For security measures, please ask us for the product safety data sheet.

*Detailed description of PLUS Version: Page 24. Design Guide