

DUROTOP



Surface hardener for industrial floors



■ PROPERTIES

Ready mixed dry mortar, for hand or machine dry shake, over new industrial floor surfaces. It consists of high quality cement, suitably graded quartz aggregates, special additives, resins, and stainless steel high-hardness microspheres. Distinguished for its high resiliency to impact. Use it to create an abrasion resistant and dust-free surface. Ideal for creating heavy duty floors that will be subjected to increased mechanical stresses.

Classified CT-C70-F8-AR1 per EN 13813.

■ APPLICATIONS

DUROTOP is applied onto fresh concrete or cement screeds (providing that cement screed is at least 5cm thick), for the creation of industrial floors, in spaces such as shopping centers, light and heavy industries,

workshops and machine shops, garages, gas stations, parking lots, warehouses, ramps, loading docks etc.

■ USE

1. Surface preparation

The concrete surface must be fresh and slightly set (about 3-4 hours after pouring, depending on the temperature and humidity of the environment).

2. Application

The product is applied dry, in two coats, with dry shake. During the first coat, apply approximately two-thirds (2/3) of the designated mortar amount to be used, onto the fresh concrete or cement screed as soon as they begin to set. After the dry shake is completed, and if the cementitious substrate does not have the proper amount of water, soak the surface and compact/polish it with a 'helicopter



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machine' (power float equipped with finishing blades) for concrete. This procedure will incorporate the mortar into the mass of the fresh cementitious surface. Continue by applying the remaining quantity of the mortar (1/3), crosswise in relation to the first one. Finish the application using the 'helicopter machine' once again. The original expansion joints of the concrete slab or cement screed must be maintained throughout and after the dry shake of the product has been completed. If there are no expansion joints, one day after the application completion of DUROTOP, and for surfaces over 50m², it is necessary to create expansion joints every 20-25m². This step will prevent future cracks from forming onto the surface. Cut the new expansion joints with great care. Once the concrete slab or cement screed is fully cured, prime the expansion joints with PRIMER-PU and seal them with DUROFLEX-PU of DUROSTICK.

■ CONSUMPTION

3-5kg/m² of surface.

■ STORAGE

Store in the factory sealed packages, in dry and shaded places, for 12 months from production date

■ NOTES

- The substrate of the industrial floor (concrete slab or cement screed) must be durable.
- Protect the finished surface from frost and high temperatures for the next 24 hours after its application.

■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Safety Data Sheet

■ PACKAGING

Paper bag of 20kg on 1.080kg pallet

TECHNICAL SPECIFICATIONS

(Measurement conditions 23°C and 50% R.H.)

■ Form	Cementitious mortar
■ Colors	Gray, brick red
■ Bulk density of dry mortar	1.80±0.20kg/lt
■ Application temperature	From +5°C to +20°C

PRODUCT PERFORMANCES

■ Strength after 28 days, per EN 13892-2, in:	
• Flexion	10.00±1.00 N/mm ²
• Compression	85.00±6.00 N/mm ²
■ Strength after 28 days, per EN 13892-8, in:	
• Adhesion	> 2.00 N/mm ²
■ Abrasion resistance BCA per EN 13892-4	120±20µm
■ Reaction to fire	Class A1

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