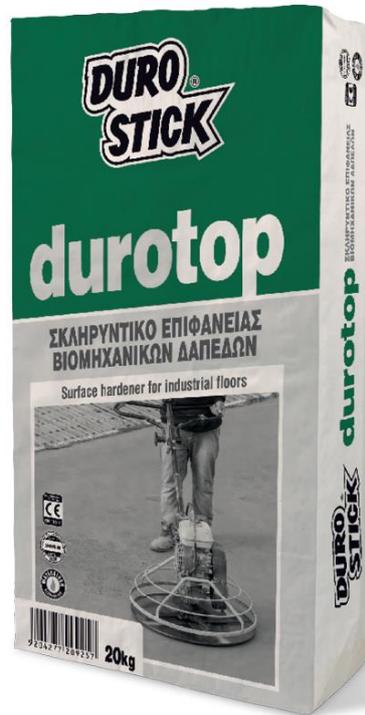


# DUROTOP



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

### 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).

### Application

The material 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 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 'helicoptermachine' once again. The original construction/expansion joints

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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 50m<sup>2</sup>, it is necessary to create expansion joints every 20-25m<sup>2</sup>. 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 or DUROSTICK.

### 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.
- After hardening, the product is harmless to health and the environment.

### CONSUMPTION

3-5kg/m<sup>2</sup> of surface.

### STORAGE

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

### SAFETY DIRECTIONS

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

### PACKAGING

Paper bag of 20kg on 1,080kg pallet

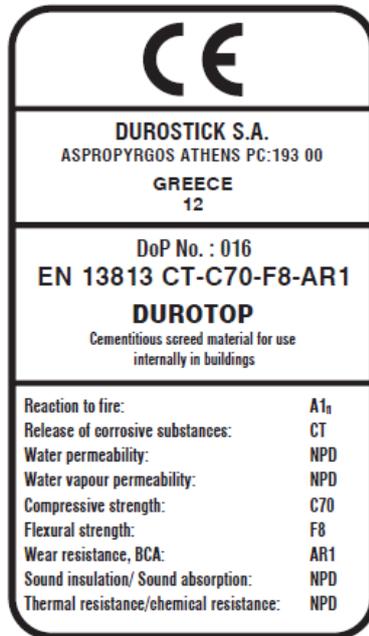
TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
Form	Cementitious mortar
Color	Gray, brick red
Toxic	No
Bulk density of dry mortar	1.80±0.20 kg/lt
Application temperature	From +5°C to +20°C
PRODUCT PERFORMANCES	
Strength after 28 days, per EN 13892-2, in	
Flexion	15.00 ± 1.00 N/mm <sup>2</sup>
Compression	85.00 ± 4.00 N/mm <sup>2</sup>
Strength after 28 days, per EN 13892-8, in	
Adhesion	>2,00 N/mm <sup>2</sup>
Abrasion resistance	122±20µm
BCA per EN 13892-4AR1	

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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## DUROSTICK S.A.

MANUFACTURING OF ADHESIVES, PAINTS  
& MORTARS

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