Technical Datasheet

EXTRA-TOP CR

Hardening agent with corundum for industrial floors

Description

Pre-mixed mortar with corundum, quartz aggregates, and special admixtures for hardening the surface of new industrial floors. It offers very high resistance to abrasion and impact.
Certified according to EN 13813 and classified as CT-C80-F10-AR1. CE marked.
EXTRA-TOP CR has received an Environmental Product Declaration (EPD) following an assessment of its life-cycle environmental impacts. Registration No: EPD-IES-0009181, The International EPD® System.

Fields of application

EXTRA-TOP CR is used in applications where high mechanical strength is required.
It is applied to cementitious substrates like concrete or screed. It is suitable for industrial floors, basements, auto repair shops, machine shops, parking lots, warehouses, loading-unloading areas, etc.

Technical data

Form:	cementitious powder
Color:	grey
Bulk density of dry mortar:	1.71 ± 0.10 kg/l
Compressive strength:	88.00 ± 5.00 N/mm^2
Flexural strength:	11.00 ± 1.00 N/mm^2
Wear resistance:	AR1

Directions for use

1. Substrate
The substrate can be:

- Reinforced concrete
- Screed at least 5 cm thick that will have to be well adhered to the substrate (concrete) through a bonding layer with ADIPLAST, DUREBOND or FERROSEAL.

2. Application
EXTRA-TOP CR is applied dry in two layers (1st layer about 2/3 of the total quantity, 2nd layer the rest 1/3 of the total quantity) by broadcasting on fresh concrete or screed right after it starts setting.
Finally, the material is treated with a special smoothing machine (power float). Power floating ensures the first layer is compacted against the fresh concrete. Then, the second layer is compacted and treated the same way.

Consumption

3-5 kg/m^2.

Packaging

EXTRA-TOP CR is supplied in 25 kg paper bags.

Shelf life – Storage

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

Remarks

- Temperature during application should be at least +5°C.
- The product contains cement, which reacts as alkaline with water, and is classified as irritant.
- Please consult the directions for safe use and precautions written on the packaging.

EXTRA-TOP CR

CE

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EN 13813 CT-C80-F10-AR1

Cementitious screed material for use internally in buildings

DoP No.: EXTRA-TOP CR /1643-03

Reaction to fire: $A1_{fl}$

Release of corrosive substances: CT

Water permeability: NPD

Water vapour permeability: NPD

Compressive strength: C80

Flexural strength: F10

Wear resistance: AR1

Sound insulation: NPD

Sound absorption: NPD

Thermal resistance: NPD

Chemical resistance: NPD

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The technical information and instructions supplied in this data sheet are based on the knowledge and experience of the Research and Development Department of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore, the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical data sheet automatically cancels any previous one concerning the same product. | Edition: 29.04.2025