

KATRET TOP QK

Surface Hardener for power trowel concrete floors with Quartz and Corundum Aggregate

Product Description :

KATRET TOP QK Surface Hardener is a ready-to-use, cement-based dry-shake surface hardener with quartz and corundum aggregate. It is applied monolithically on concrete surfaces.

Areas of application :

- Indoors and outdoors
- On the floors that are exposed to medium and heavy loads
- On the floors that are exposed to abrasion
- In garages, parking lots, roads and pavements
- In hangars, industrial and commercial warehouses
- In factories
- In underground passages, metro stations
- In gas stations
- In loading ramps and wharves

Features :

- Used by sprinkling on fresh concrete
- A dust-free and hard surface is obtained
- Performs higher resistant to abrasion and bumps than regular concrete does
- Long-lived and resistant to heavy traffic
- Increases the impermeability of the concrete
- No oxidation
- East to clean and maintain
- Fireproof

Technical data :

Dmax (mm)	3
Colour	Grey, Red
Dry unit volume weight	1,60 kg/dm ³
Compressive Strength (28 days)	~ 70 N/mm ²
Abrasion (according to Böhme method)	3 Š cm ³ /50cm ²
Environment temperature for application	between +5°C and +35°C

Technical data are approximately provided according to a temperature of +20°C and a relative humidity of 50%.

Preparation of the substrate :

- The surface on which **KATRET TOP QK** Surface Hardener will be applied should be minimum C25-class concrete.
- The surface of the concrete should be smoothened with a wooden trowel.
- The consistency of the concrete on which **KATRET TOP QK** Surface Hardener will be applied is of great importance. In case of having hard consistency, the surface hardener cannot absorb

the water needed for its reaction and consequently the hardening does not happen. When the consistency is too fluid, the surface hardener penetrates into the concrete poured and therefore the desired result cannot be obtained.

Application :

- Firstly, ½ of the consumption amount of **KATRET SH QK** is sprinkled on the floor and smoothened with a wooden trowel. When it becomes available for walking on the floor, the rest of the material is spread on the whole floor homogenously and levelled.
- After the product is applied and levelled on the concrete, the surface is finally levelled with a levelling machine.

After application :

- In order to prevent rapid curing, a little water should be sprayed on the newly applied surface and it should be covered with a large folio.
- The recommended **KATRET ACC** or **KATRET SCC** curing material should be applied on **KATRET SH QK** Surface Hardener.
- Depending on the ambient temperature, secondary joints should be cut within 1 -3 days after the application.
- When the surface is hardened, it should be filled with the flexible jointing paste.
- The newly applied surfaces should be protected from direct sunlight, adverse weather conditions and high temperatures (+35°C).

Coverage :

Appr. 4 – 6 kg/m² for 3 mm thickness.

The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

Packaging :

25 kg craft bags, 64 bags in one palette (1600 kg/palette).

Storage :

- Dry mortar bags should be protected from water, frost and adverse weather conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn or opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Health and Safety Information :

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.