

# FLOOR TOP

## QUARTZ AGGREGATE SURFACE HARDENER



### DESCRIPTION

- Quartz aggregate, pigmented, special additive and cement based, easy-to-use surface hardener that is applied monolithically to the concrete surface.

### TECHNICAL DATA

Appearance	: Grey, red and green powder
Application temperature	: (+5°C) - (+30°C)
Compressive strength	: > 70 N/mm <sup>2</sup>
Flexural strength	: > 10 N/mm <sup>2</sup>
Time required for foot traffic	: 24 hours

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### INTENDED USES

- Interior and exterior surfaces,
- Industrial facility floors,
- In hangars and mechanical workshops, garages and car parks,
- Used in areas where surface abrasion is intense, such as warehouses, loading and unloading areas, workshops.

### PROPERTIES

- Provides surface abrasion resistance.
- Increases impact resistance.
- Contains quartz aggregate with special granulometric grain size.
- Application is easy and economical.
- Increases the impermeability of concrete.
- Various colour alternatives are available.

### APPLICATION

- It is distributed on the concrete that is ready for **FLOOR TOP** application by sprinkling on the surface by hand or with suitable equipment.
- Before the sprinkling process, **FLOOR TOP** should be homogeneously distributed on the concrete surface at a ratio of 2/3 to the application area. It should not be left in lumps.
- The sprinkled material should be wetted evenly with the water present in the concrete and expected to change colour.
- In order to create a smooth floor, the material is fed into the concrete by power trowel (helicopter power trowel). The same procedures should be repeated for the remaining 1/3 of the material.
- After rough polishing, fine polishing should be started, and surface smoothness should be ensured until the desired gloss is reached with high-speed power trowel metal polishing blades.
- After the concrete gains strength, expansion joints should be formed by cutting slabs and these joints should be filled with suitable material.

### SURFACE TREATMENT

- Wait until **FLOOR TOP** becomes walkable on the carrier concrete.
- It should be a concrete of at least 10 cm thickness with sufficient compressive strength to form a solid ground.
- The floor concrete should be poured in the form of slabs and glazed with a wooden trowel.
- Care should be taken not to have too much water on the surface.
- When the concrete surface is pressed, 0.5-1.5 cm deep footprint is left, the concrete is ready for **FLOOR TOP** application.

### CONSUMPTION

- 4 - 7 kg/m<sup>2</sup> depending on the purpose of use and traffic load.

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### WARNINGS AND RECOMMENDATIONS

- The concrete class to be applied should be at least C25 or C35 dosed.
- After the application, **CURE Curing material** should be applied in order not to lose the surface water faster than desired, to prevent shrinkage cracks and to increase the surface hardener performance.
- The quality of the cement and the amount of water on the ground may cause slight discolouration.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- During the application, the ground should be protected from wind and direct sunlight.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

### QUALITY CERTIFICATES

- In accordance with **TS EN 1504-2** standard. According to TS 699 standard, ITU Construction Laboratory abrasion test report is available.

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<b>18</b> <b>2163-CPR-0560-3</b>	
<b>TS EN 1504-2:2005</b> <b>FLOOR TOP / QUARTZ SURFACE HARDENER</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and conformity assessment - Part 2: Surface protection systems for concrete Principle 5 (PR): Physical resistance / surface improvement, Method 5.1: Coating Application [C]	
Abrasion resistance	: A3; 3 cm <sup>3</sup> /50 cm <sup>2</sup>
Capillary water absorption and water permeability	: W<0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Shock resistance	: Class III, ≥ 20Nm
Adhesion strength through pull-off test	: With the traffic load, ≥1,5 N/mm <sup>2</sup>
Fire reaction class	: A1

### PACKAGING

- 25 kg Kraft bag (Pallet 64 bag, 1600 kg)

### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.

### COMPLEMENTARY PRODUCT(S):

- **CURE** Curing material

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