8001
ABR FLOOR Q

Quartz Surface Hardener
It is a abrasion resistant, powder surface hardener which is applied monolithically to fresh concrete surfaces, consisting of special type cement, high quality quartz aggregate and performance enhancing chemical additives. Used against light and medium loads.

Places of Usage
• Suitable for industrial floors with light to medium traffic. For example;
• In basement floors and cellars,
• In mechanical workshops,
• In garages for passenger cars,
• In warehouses,
• In corridors and large halls,
• In the fields of education,
• In parking areas,
• On loading and unloading areas with rubber wheeled vehicle traffic.

Features / Advantages
• High abrasion resistance (2 times more than normal concrete surface),
• Low pore structure due to its compact structure,
• Interesting,
• Easy clean and maintain,
• Different color options,
• Limited dust formation,
• Resistance to mineral oils and petroleum derivatives.

Application Directions
a) Surface Preparation:
If 8001 ABR FLOOR Q is to be applied on old concrete, at least 7.5 cm thick C 25 concrete must be poured. Use Epoxy Surface Primer or Latex to increase adherence and adhesion between new concrete and old concrete. The concrete to be applied must be wet enough to absorb the moisture that 8001 ABR FLOOR Q needs. The degree of wetness of the surface is extremely important. If the surface is too wet, 8001 ABR floor Qwill disappear within the thickness of the concrete itself and become ineffective. If the surface is too dry, the product will not bind to the surface and the result will be negative.
b)Application Method:
Depending on the size of the floor, 4 - 5 m wide anos are placed as one full and one empty. Where necessary, mesh steel is placed in the anodes and the leveling process is completed. 8001 ABR floor q should be spread on both sides of the anos in order to get the best distribution on the surface. Concrete is gauged after casting, and it is ensured that it is settled with vibrating gauge application. When the concrete is set up with a foot, the footprint remains at a depth of 2-3 mm at most, and 1 /2 of 8001 ABR FLOOR Q is spread evenly by hand or by mechanical spreading machine. It is expected that the material will absorb the water of the concrete, moisten and get a dark color. Make sure the color is equal on all sides of the floor. With trowel, material is fed to the ground thoroughly and integration is provided. A quantity of material is sprinkled onto the edges of the ano and dilatation joints, which are under the highest load, in a strip of 8 cm and fed with a trowel. "The remaining 1 /2 of the material is spread by sprinkling on the ground, it is expected to get a dark color by moistening and fed to the ground with a trowel. When the surface is hard enough to walk, polishingl is performed with steel trowel (helicopter).

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c) Hardening:
After application, ABR Curing agent should be used for curing of concrete.
d)Joint Cutting:
After the concrete is poured, joint cutting should be done within 2-3 days at the latest. After placing Polyethylene Joint Sealant into the joint gaps, the remaining gaps should be filled with the appropriate MS, hybrid or polyurethane mastics.
Issues to be Considered
• Avoid application at temperatures below +5°C and above +35°C.
• Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.
• Do not perform too much polishing, the product should not be thrown away during application to prevent the quartz aggregate from separating from the cement.
• Before application of 8001 ABR FLOOR Q, the surface should not be polished with a steel trowel or tray.
• In proper applications, the ambient humidity is between 40 and 80% relative humidity. Low relative humidity may cause efflorescence on the surface, high relative humidity may cause sweating, slower curing and hardening, and may require prolonged application.
Cleaning of Tools:
Tools and equipment used should be cleaned with water after the application. 8001 ABR FLOOR Q can only be removed mechanically from the surfa ce after hardening.
Security Warnings
• S2 Keep out of the reach of children.
• 524/25 Avoid contact with eyes and skin.
• S26 In contact with eye, wash with water and consult a doctor.
• S28 In contact with skin, wash immediately with plenty of water.
• S29 Do not empty into drains.
• 546 If swallowed, consult a doctor immediately and show box or label.
Storage
It should be stored in unopened original package in a cool and dry environment by protecting from frost. For short-term storage, maximum 3 pallets should be placed over and over and the shipment should be made with first in first out system. For long-term storage, pallets should not be placed over and over. It can be stored for 12 months from
the date of production if proper storage conditi ons are met. Opened packages should be kept tightly closed and stored under proper storage
conditions and should be used within one week.
Consumption
For light and medium traffic: 3-5 kg/m2
For medium and heavy traffic: 5-8 kg/m2
For colored (especially light colored) floors: 7-8
kg/m2
Package
20 kg kraft bags. (64 kraft bags / Pallet)

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TECHNICAL SPECIFICATIONS	(23 °C and 50% Relative Humidity)
GENERAL INFORMATION	
Appearance	Natural gray, red and green powder
Shelf Life	12 months in unopened package in dry environment
APPLICATION INFORMATION	
Application Temperature	(+5 °C) - (+35 °C)
pH	≥ 12
Aggregate Size	0-1,4 mm
Hardening	Required
Joint Cutting	Recommended
Compressive Strength (28 days)	60 N/mm² (Nominal 60 N/mm²)
Flexural Strength (28 days)	10 N/mm²
Elastiste Module (28 days)	30 kN/mm²
Adhesion to concrete	2,5 N/mm²
Abrasion Resistance-BCA	Ar1 (Wear depth of maks.100 µm)
Abrasion Resistance-BOHME	A6 (maks. 6c m³/50 cm²)
Abrasion Resistance-TABER	0,20 mm/1000 cycle
Abrasion Resistance-AMSLER	2,60 mm/3000 m
Fire Resistance	A1fl
Corrosive substances Oscillation	CT (Cement based screed)
Impact Resistance (IR)	Class I