

TECHNO PLATE Q

Quartz aggregate based surface hardener



Techno Chem

DESCRIPTION

Techno plate Q. with cement content, single component, ready-to-use aggregate reinforced quartz as a powder that increases concrete resistance against light, medium and heavy loads.

USAGE AREA

- In all interior and exterior buildings.
- In concrete and industrial concreting.
- In the hangar and workshop.
- In garages, parking lots and warehouses.
- In the loading and unloading areas of light and medium loads.
- It is used in vehicle traffic with cars.

PROPERTIES

- With TECHNO PLATE Q, the strength of the concrete surface increases 2-3 times compared to concrete before the surface hardens.
- It increases the resistance of the concrete surface against impacts as the slip resistance increases.
- It reduces the water absorption feature as it reduces the roughness of the surface.

Reduces dust on the concrete surface

- Thanks to the hydraulic fittings it contains, the water / cement ratio decreases on the concrete surface. This increases the surface clamping force.

-Because of low water / cement ratio reduces the amount of capillary void on the concrete surface, the loadability (service life) of the concrete increases.

Due to the lowest vacuum rate, the concrete surface gains resistance against chemicals, oil, mild acids and cleaning chemicals.

- Reducing the capillary voids on the surface increases the freeze-thaw resistance of the concrete and the flame resistance caused by melt freezing.

advantage

Thanks to its specially modified chemicals, TECHNO Q PLAN keeps the surface water where it is applied and creates a monolithic structure along the surface where concrete is applied.

SURFACE PREPARATION

The concrete or assembly design to be applied to the surface hardener should be designed according to environmental loads and soil conditions. The application of the surface hardener has no effect on the elastic strength, bending or compression of the concrete.

According to the material, load and traffic density:

* 3-6 kg / m² is used for light and medium loads

* 5-6 kg / m² is used for heavy loads.

The product forms a 2-3 mm thick layer on the concrete surface.

USE

After pouring concrete and gauge, the surface is strengthened to leave the footprint at a depth of 2-4 mm, surface reinforcement is applied, 2/3 of the material to be used is spread homogeneously on the concrete surface by hand. or with a mechanical spreader.

The material that does not spread homogeneously causes surface fluctuations, therefore homogeneous distribution can be achieved with the shoulder. The spreading material should be allowed to moisten (change color) like concrete water, and surface polishing and feeding of the concrete should be completed and integrated into the concrete, then 1/3 of the remaining material should be spread on the concrete in the same way. .Softening is done. After the thick correction of the surface is made, the final correction is made while giving the desired correction and brightness with the sharp blade tip. Water should not be sprinkled on the surface during application.

Note: For light colored hardeners, the product should be applied at least 6 kg / m² and 3 times 1/3.

protection

After the surface hardener is applied, the concrete surface should be protected with TECHNO CURE protective chemicals to prevent rapid evaporation of water that cracks on the surface and increase the stability of the concrete.

Fugs are cut within 1-3 days depending on the air temperature and the placement of the concrete.

The application of fugue filling is done by selecting the appropriate filling product, which is common in the TECHNO ELASTO series 28 days after the concrete is applied.

WAREHOUSE CONDITIONS AND PACKING

It should be stored in a cool, dry and frost-proof environment in its original packaging. In short-term storage, no more than 3 plates can be placed on top of each other and the system should be applied for the first shipment to leave the warehouse. In long-term storage, pallets should not be placed on top of each other.

It is sold in 25 kg reinforced polyethylene kraft bags.

Lifespan 12 months.

SECURITY INFORMATION

Protective measures applied to the use of common chemical products should also be considered when using this product.

Personalized information can be found about the use of this product and its transportation in the MSDS document.

For complete information on health and safety issues for this product, the SDS certificate should be consulted and this product and its box should be disposed of in accordance with local regulations. The end user of the product is responsible for this.

TECHNICAL DATA

Structure of the material - Polymer and hydraulic connector containing quartz aggregate

Pressure resistance - C30 / 37 (30-50 MPa)

F5 bending resistance - (5-15 Mpa)

Abrasion resistance - A9 (0-9 cm³ / 50 cm²)

Color - Gray-Red-Green

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