

# Hardener CB 753 Bazalt

Building Chemicals > Floor Coverings > Cement Based

Hardener CB 753-Basalt is a cement-based, single-component, ready-to-use concrete surface hardener made of basalt aggregate with specially adjusted gradation and chemical additives. It can be prepared in natural or optional colors and is applied to ready-mixed concrete to increase abrasion resistance.

## ■ Fields of Application

- Factory floors, hangars, parking lots, and service stations
- Production halls, storage areas, supermarkets, and mechanical workshops
- Loading and unloading areas
- All building flooring and site concrete

## ■ Advantages

- Durable and economical
- Practical and easy to clean
- Provides high abrasion resistance
- Prevents surface dusting
- Offers optional color choices
- Covers surface-adjacent fibers in concrete

## 1 Preparation of Substrate

The concrete surface to be coated with Hardener CB 753 Basalt must have a minimum cement dosage of 300 kg/m<sup>3</sup>. The thickness of the concrete where Hardener CB 753 Basalt will be applied should be at least 7 cm. The quality of the concrete on the floor should remain consistent.

## 2 Application

Before applying Hardener CB 753 Basalt, any water that may have formed on the concrete surface should be removed. Then, apply Hardener CB 753 Basalt in two stages: 60% in the first application and 40% in the second application. The consumption rate for this application is 3-5 kg/m<sup>2</sup>. Ensure surface smoothness during the broadcast process. It is recommended to use a low-speed power trowel after moistening with water to achieve a good finish. Do not add water to the material after application. Curing with Merks Resin/W RB 915 is preferred after application.

## 3 Consumption Amount

For an average thickness of 2 mm, the consumption rate is 3 kg/m<sup>2</sup>. Usage exceeding 6 kg/m<sup>2</sup> should be preferred for surfaces expected to endure severe abrasion and where high performance is required. Such applications are effective only with concrete that has enhanced workability through special additives, a low water/cement ratio, and higher strength classes. High consumption rates on lower-grade concrete will not yield the desired results.

## 4 Points to Consider

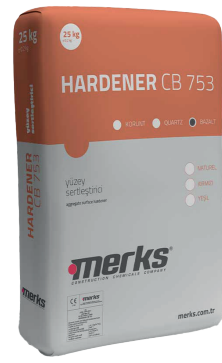
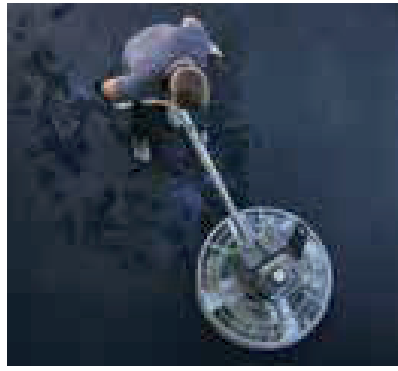
- In outdoor applications, the application area should be protected from wind, rain, and frost. Otherwise, the surface may develop skinning and cracking during finishing.
- It is recommended not to use on more adhesive and less workable concrete.
- To prevent color variations, ensure that the water and cement content of the concrete used throughout the entire area is consistent. Additionally, maintain cleanliness and protect from dust to avoid color differences.
- In conditions of low relative humidity, blooming may occur on the surface after application; high relative humidity may cause extended finishing time due to slower curing.
- Curing is not recommended in cold weather.

## 5 Packaging

In 25 kg PE-reinforced kraft bags.

## 6 Storage Life

Kapalı ambalajda ve dondan korunmuş olarak en az 12 ay.



## TECHNICAL DATAS

<b>Material Composition</b>	Polymer-Modified Additives, Pigments, and Cement
<b>Appearance</b>	Gray, Red, Green
<b>Bulk Density of Powder</b>	~ 1,50 kg/l
<b>Bulk Density of Wet Material</b>	~ 1,80 kg/l
<b>Application Temperature</b>	(+5°C) - (+35°C)
<b>Aggregate Hardness</b>	6-7 on the Mohs Scale
<b>Bending Strength</b>	≥ 6 N/mm <sup>2</sup> (28 days)
<b>Compressive Strength</b>	≥ 50 N/mm <sup>2</sup> (28 days)
<b>Pedestrian Traffic</b>	1 day
<b>Light Vehicle Traffic</b>	7 days
<b>Storage Life</b>	At least 12 months when kept in unopened packaging and protected from frost.
<b>Packaging</b>	25 kg + 1.5 kg set in metal cans.