

# weber.floor YS 1

## Cement based surface hardener with silicium carbide aggregate

Technical Data Sheet  
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### ■ Description

Cement, special aggregate, silicium carbide, pigment and special additive based surface hardening mortar; enhancing abrasion resistance on industrial floors exposing very heavy loads and very intense vehicle traffic.

### ■ Reference standards

TS EN 1504-2

### ■ Advantages

- Enables smooth, glossy and homogenous substrates
- Prevents abrasion against very heavy mechanical loads
- Enhances impact resistance
- Delays substrate dusting
- Easy application on load-bearing concrete

### ■ Application areas

Applied on fresh concrete substrates where very high resistance to mechanic abrasion and no-dusting required.



### ■ Application substrates

Indoor and outdoor floors;  
Warehouses, workshops, shipyards, aircraft hangars, parking lots, heliports, service stations, industrial buildings, factories, heavy industry facilities, offices, car wash facilities, residential areas

Please consult us for all other application substrates.

### ■ Preparation of substrates

- Load bearing concrete of the area where **weber.floor YS 1** is planned to be applied should be at least C25 class.
- Surface of the fresh concrete where the application is planned should be finished with finishing tray and leveled with wooden trowel.

### ■ Application conditions

- Ambient temperature between +5°C and +30°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

### ■ Application

- Wait until the bearing concrete becomes walkable. The ideal time is when 0.5-1.5 cm deep footprints left when stepped on the concrete.
- **weber.floor YS 1** bags should be placed at ano sides depending on ano width and consumption amount.
- **weber.floor YS 1** is distributed on the entire substrate by scattering. The material should not be left in clusters, distributed as homogenous as possible. Also, avoid scattering to long distances to not to decompose the aggregates in the product. This process can be done manually or by special scattering equipment.
- Wait scattered material to change colour by absorbing the water of the concrete.
- Homogenously scattered and colour changed by absorbing water **weber.floor YS 1** is compressed with tray finish and gets integrated to the concrete.
- Switch to knife finishing and continue this process until the desired glossiness is achieved.

### ■ Application tools

Scattering tools, finishing tray, finishing knife, trowel machine

### ■ Consumption

5 kg/m<sup>2</sup>

### ■ Points of attention

- Curing material **weber kür A** should be used to prevent substrate not to quickly lose water right after the application. Do not apply water on the material during application.

## ■ Teknik bilgiler

PRODUCT	<b>weber.floor YS 1</b>
Product structure	Powder
Colour	Grey, Red, Green
PERFORMANCE	
Abrasion strength	$\leq 2,0 \text{ cm}^3/50 \text{ cm}^2$
Resistance to abrasion	$\leq 3000 \text{ mg}$
Çekip koparma deneyi yoluyla yapışma dayanımı	$\geq 1,0 \text{ N/mm}^2$
Capillary water absorption and water impermeability	$\leq 0,1 \text{ kg/m}^2\text{h}^{0,5}$
Impact resistance	Class III
Yangın tepkime sınıfı	AI

## ■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

## LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

## ■ Storage

Packaging	25 kg kraft bag
Pallet Size	107x107 (64 bags per pallet, 1,600 kg)
Colour	Grey, Red, Green
Shelf Life	<ul style="list-style-type: none"><li>• 1 year from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment.</li><li>• Packages should be kept tightly closed when not in use.</li><li>• Lumped or petrified products should not be used.</li></ul>

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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