

# weber.floor 4610

## Self-levelling, final coat material for industrial floors

Technical Data Sheet  
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### ■ Description

4-15 mm of application range, cement based, polymer reinforced, ready to use, self-levelling, final coat flooring material.

### ■ Reference standards

EMICODE ECI Plus  
EN 13813

### ■ Advantages

- Used as final coat for industrial floors
- Suitable for levelling between 4-15 mm
- Provides abrasion resistance and flatness
- Resistant to high levels of mechanical stress
- Self-spreading and self-levelling
- Provides vapor diffusion
- Chlorine resistant

### ■ Application areas

- **weber.floor 4610** is used for levelling purposes on cement based screed and concrete substrates with high mechanical resistance; and as finalcoat on industrial floors.
- Suitable for use as final coat on **weber.floor 4602**.
- Designed for industrial floors like warehouses, light and medium load forklift traffic manufacturing facilities.
- Suitable for use in parking garages.
- Suitable for new floors and renovation projects.
- Just suitable for indoor use, not suitable for use in open areas.



### ■ Application substrates

Interior floors;

- Cement based screed,
- Concrete floors,
- Prefabricated concrete,
- **weber.floor 4602** applied substrates,

Please consult us for all other application substrates.

### ■ Preparation of substrates

- Ensure the substrate tensile (pull off) strength is at least 1.5 N/mm<sup>2</sup>. Check the substrate for weak, loose sections and contaminations; remove these using trimming or shotblasting methods.
- Before starting the application, **weber.floor 4716** should be mixed with the given amount of water and applied in 2 coats using brush. Third coat of application may be necessary depending on the substrate condition.
- White colour of the primer gets transparent while setting.
- **weber.floor 4610** should be applied at least 48 hours after priming.
- **weber.floor 4602** should be used prior to application for deeper surface defects.

### ■ Application conditions

- Ambient temperature between +10°C and +25°C.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.
- Avoid application on substrates exposed to direct sunlight, strong wind and heat.
- Only suitable for interior floor applications.

### ■ Application

- For manual applications, first pour the given amount of water to mixing container then add **weber.floor 4610**. Mix for 2-3 minutes, age for 1 minute then mix again.
- Width of the application area should be between 6-8 meters for mixing pump applications (depending on pump capacity and application thickness).
- For manual applications, pour the mixture to the floor and apply to desired thickness using trowel.
- Before application, 1:3 (primer:water) diluted **weber.floor 4716** is applied in 2 coats for substrate smoothness.
- If priming will be made in 3 coats, first coat priming should be diluted by 1:5 (primer:water) ratio.
- Spiked roller application can be made for surface smoothness.
- All tools used during the application should be cleaned with water right after use before drying.
- Good ventilation is required when the surface becomes ready for pedestrian traffic (hardened enough for stepping on).

### ■ Application tools

Mixing pump, spiked roller, steel trowel, joint tape, scraper

### ■ Consumption

Approximately 1.70 kg/m<sup>2</sup> (for 1 mm application thickness)

## ■ Points of attention

- Assess levelling requirements, determine finished floor thickness, conform to existing expansion joints before the application.
- Drainage system on the current floor (water pipes, run-offs, etc.) should be properly waterproofed before the application. Amount of water within the mixture might be decreased in case of light slopes (max. 1.5%). A too stiff consistency is detrimental to the de-airing behaviour.
- Hardened surface colour varies depending on raw materials, jobsite environment and application method.
- **weber.floor 4610** behaves like an extremely dense concrete substrate. Resin based coatings recommended if strong chemical resistance required. Uncoated substrates should be kept dry by wiping.
- Please consult us if you are not sure about application, substrate or structural characteristics.
- Do not add any foreign substances.

## ■ Technical specifications

PRODUCT	<b>weber.floor 4610</b>
Product structure	Powder
Colour	Grey
Mixing rate	25 : 5 ( <b>weber.floor 4610</b> : water)
Pot life	Max. 20 minutes (65% R.H.)
Open to pedestrian traffic	1-3 hours
Open to light traffic	Approx. 24 hours
Open to full service	Approx. 7 days
Recommended thickness	6-8 mm
PERFORMANCE	
Compressive strength	≥35 N/mm <sup>2</sup>
Flexural strength	≥10 N/mm <sup>2</sup>
Wear resistance	AR 0,5

## ■ Storage

Packaging	25 kg kraft bag
Colour	Grey
Shelf life	<ul style="list-style-type: none"><li>• 6 months from date of manufacture when stored unopened and undamaged in a dry environment, away from direct sunlight, within the storage temperature range.</li><li>• Packages should be kept tightly closed when not in use.</li><li>• Lumped or petrified products should not be used.</li></ul>

## ■ 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

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

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