

WEBERFLOOR 4610 INDUSTRY TOP



- Pumpable – fast and more ergonomical application
- Rapid hardening-enables quick installation
- Excellent spreading and smoothing characteristics
- Very good resistance to mechanical stress
- EPD-verified
- Indoor Air Comfort GOLD-Verified

ABOUT THIS PRODUCT

Weberfloor 4610 industry top is a pumpable rapid hardening selflevelling screeding compound. It is based on binders, fillers and additives. The product is delivered as a dry mortar, water is added on site. The surface can be walked on after 2-4 hours. Gentle traffic can take place after 1 day and full traffic after 1 week. weberfloor 4610 is ready for traffic congestion and does not normally need to be dust bound, but can with regard to chemical load or aesthetic reasons be covered with appropriate surface treatment or resin based coating. By application knowledge and experience are required to achieve a satisfactory results. Weber has specially trained floor contractors for the application weberfloor 4610 Industry Top. weberfloor 4610 Industry Top is characterized Polymer modified. CT-C35-F10-AR0.5 according to EN 13813. The product is EPD and Indoor Air Comfort GOLD-Verified

AREA OF USE

For industrial floors with intensive traffic with medium and heavy rolling equipment and high demands on flat-

PRODUCT SPECIFICATION

Material consumption	1,7 kg/m ² /mm (according to Swedish GBR method): 5 mm = 8,5 kg/m ² 10 mm = 17 kg/m ²
Recommended layer thickness	4-20 mm
Recommended water content	4,0-4,2 liter per 20 kg bag (20-21%)
Application temperature	+8 to +25 °C
Curing time for pedestrian traffic	2-4 hour
Curing time for light traffic load	after 24 hour
Curing time for full traffic load	1 week
Adhesion strength 28 days	> 3,0 MPa, GBR Sweden trade standard
Compressive strength class	class C35 according to EN 13813
Compressive strength 28 days	mean value 41 MPa according to EN 13892-2
Flexural strength class	class F10 according to EN 13813
Flexural strength 28 days	mean value 12 MPa according to EN 13892-2
Surface tensile strength	> 3,0 MPa, GBR Sweden trade standard
Shrinkage	<0,5 mm/m EN 13454-2
Fire class	A2fl -s1 enligt EN 13501-1
Wear resistance	
Wear resistance to rolling wheel of screed material for wearing layer (RWA)	BCA class AR0,5 according to EN 13892-7
Water content	20-21%
Flow rate according to Weber standard	Ring 50x22 mm 150-160 mm weber standard metod (ring 68x35 mm) 230-245 mm
pH	appr. 11
Storage conditions	6 months in unopened package stored under dry conditions.
Package	20 kg bag, 960 kg per pallet (1200x800 mm)
Certifications	PD (third-party verified environmental product declaration) Indoor Air Comfort GOLD verified (meets, among other thi
Global Warming Potential (GWP) Acc. EPD A1-A3	0.301 kg CO ₂ e/kg

ness. In industries, warehouses and premises where high demands are placed on abrasion resistance and flatness. Layer thickness 4-20 mm. Specified minimum layer thickness of 4 mm refers to local highlights. When laying larger surfaces with machine laying with a pump where the substrate is reasonably flat, a layer thickness of 7-10

mm is recommended to achieve an optimal result.

SUBSTRATE

Concrete, Base screeds

TO KNOW BEFORE APPLYING

The surface: Weberfloor 4610 Industry Top is ready for traffic without surface coating, but may need to be covered with a suitable varnish system due to aesthetic or chemical stress. When painting with water-based paint systems, which depend on drying, the surface must be well dried before application.

PREPARATION

During preparation and installation, the contractor must carry out Weber's self-inspection for industrial floors. The substrate must be clean and free of dust, cement skin, grease and other contaminants that can prevent adhesion. Surface tensile strength of the substrate must be at least 1.5MPa.

The substrate is primed with weberfloor 4716. The priming is performed two times where the primer is brushed into the substrate. Avoid the formation of pools. The first priming is diluted 1: 5, the second 1: 3 (on newly laid base layers 1:10 and 1: 3, respectively). The primer must have dried before the installation of weberfloor 4610. The substrate temperature must exceed + 10 ° C at the time of laying. The surface of the substrate must be dry and the humidity must allow good drying, otherwise there is a risk of blistering.

To determine the need of leveling it is recommended that height surveillance is done prior to casting. In order to achieve prescribed tolerances, the substrate regarding "large curvature" (usually measuring length 2 m) and slope should comply with prescribed tolerances for the finished surface.

Bagged material should be stored at room temperature room before casting. Very cold materials entails a risk of worsened working properties. At low temperatures <+ 10 ° C or high humidity > 70% RH during the curing stage, light precipitates may appear on the surface. Too high a temperature changes the flow properties of the product, e.g. premature gelation. Therefore, measurement of temperature and RH must be performed prior to casting.

MIXING

The temperature of the work area should be between +10 and +30°C. weberfloor 4610 Industry Top should be

mixed with 4,0 to 4,2 litres of clean water per 20 kg bag (20-21%)

Application by hand:

Use a bucket or a larger mixing container (75-100 l) suitable for 3-5 bags. First pour part of the mixing water into the bucket/container. Then add weberfloor 4610 Industry Top. Add the remaining mixing water. Mix for at least 2 minutes with a blender fitted to a power drill.

Machine application:

Use Weber automatic mixing machinery. Adjust the water amount corresponding to max 21%.

During mixing the water content of the compound should be checked by testing the flow rate. If the water content is correct, the flow rate should be between 230 to 245 mm (weber ring 68x35 mm) or 150-160 mm (ring 50x22mm). During the flow test it should also be checked that the compound is fully homogenized and free of separation. Never add more water than the amount required to achieve a good result.

WORK INSTRUCTIONS

The compound should be pumped or poured onto the substrate in gores. Each new gore should be laid into the previous as quickly as possible so that the compound forms an even coating. While working, the newly laid compound should be lightly smoothed with a wide toothed spactual or a trowel to remove any foam in the surface coat. Gore length should be adjusted to the capacity of the mixing pump and the layer thickness. As a general rule, the gore length should not exceed 10 to 12 meters. For dividing into suitable sections, Weber dividers are recommended. Before laying, take care to fit gulley's with the necessary seals to avoid clogging sewage outlets. When semi-hardened the compound is easy to adjust or cut, so do not wait too long before making any necessary adjustments. Adjustments after the compound has hardened requires advanced grinding equipment.

The temperature in the room should be +10-25° C during laying and curing. Provide good ventilation and avoid drafts and sunlight

AFTER-TREATMENT

To reduce the material's absorption of dirt and pollution and to facilitate cleaning, a surface treatment can be done by applying Weber water stop/surface enhancer. The surface treatment is applied after 1 day at the earliest, depending on the drying climate. Application is done twice with a short-haired mop in a thin layer diluted

1: 1 with clean water. A more detailed description of surface treatment methods and care instructions contact Weber.

PLEASE OBSERVE

Avoid exposing the floor surface to drafts and sunlight during installation and 1-3 days thereafter.

Since the product is a cement-based material, fine, barely visible cracks cannot be ruled out. However, these cracks do not affect the function of the floor. Color changes can occur on the finished surface depending on the prevailing climatic conditions at the time of laying and that the product is made up of mineral binders. In the event of future repairs, a difference in color and surface structure must be taken into account. The moisture condition of the material also affects the final appearance. The cured

material has good moisture stability. When saturated with water, the strength drops below normal values. Upon drying, the material regains full strength.

SAFETY REGULATION

The product (dry mortar) gets corrosive in contact with water. Hard material does not pose any known danger to the environment or health.

For declaration of contents and other safety precautions, please study the Material safety datasheet.

DISCLAIMER

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.