



weberfloor 4602 Industry Base Extra

- Pumpable – fast and more ergonomical application
- Rapid hardening-enables quick installation
- Smooth surface-easy to maintain and minimizes wear
- High durability towards mechanical loads-long life-time
- Suitable resin base-high adaptability to different applications

About this product

Weberfloor 4602 industry is a pumpable rapid hardening selfleveling 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 4602 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 4602 Industry Base Extra. weberfloor 4602 Industry Base Extra is characterized Polymer modified:

CT-C30-F7-AR0.5 according to EN 13813.

Product attributes

- Low alkaline
- Fast drying

Application characteristics

- Hand applied
- Pumpable

Area of use

Weberfloor 4602 Industry Base Extra can be used as a surface layer in areas with light industrial load, industry with mainly foot traffic, traffic with hand-pulled fork lifts and occasional truck movements. The material is also recommended for leveling of floors in industrial premises that can be coated with resin based coatings such as epoxy and acrylic compounds or as a leveling and base for weberfloor 4610 Industry Top and weberfloor 4630 Industry Lit on floors with high loads. Layer thickness 5-40 mm.

Weberfloor 4602 is also recommended as a base for glued homogeneous wooden floor where the requirement for the surface's tensile strength is at least 2MPa in layer thickness 8-40 mm.

Substrate type

- Concrete
- Cementitious floor levelling

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
Minimum layer thickness	5 mm (Minimum 8 mm when gluing homogeneous wooden floors)
Maximum layer thickness	40 mm
Recommended water content	3,6-3,8 liter per 20 kg bag
Application temperature	+8 to +25 °C
Open time	10-25 minutes
Curing time for covering	When gluing wooden floors, the drying time is approx. one week per cm layer thickness
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
Compressive strength class	class C30 according to EN 13813
Compressive strength 28 days	mean value 36 MPa according to EN 13892-2
Flexural strength class	class F7 according to EN 13813
Flexural strength 28 days	mean value 9 MPa according to EN 13892-2
Surface tensile strength	> 2,0 MPa, GBR Sweden trade standard
Shrinkage	<0,5 mm/m EN 13454-2
Fire class	A2fl-s1 according to EN 13501-1
Wear resistance to rolling wheel of screed material for wearing layer (RWA)	BCA class AR0,5 according to EN 13892-7
Water content	18-19%
Flow rate according to Weber standard	Ring 50x22 mm 135-150 mm weber standard metod (ring 68x35 mm) 200-230 mm EN 12706 (ring 30-50 mm) 120-135 mm
pH	appr. 11
Density	appr. 2000 kg/m ³ , final product hardened and dried by delivery with weber pump truck
Storage conditions	6 months in unopened package stored under dry conditions.
Package	20 kg bag, 960 kg per pallet (1200x800 mm) 1000 kg big bag and Bulk

To know before applying

For checking that the material has been handled correctly at the construction site, strength determination can be made by measuring of the surface tensile strength of the leveling layer. Request specific information from Weber about measurement method. For leveling layers which has cured for one month in room climate (approx. + 20 ° C and 50% RH), the surface tensile strength shall be > 2 MPa after 28 days. The stated surface tensile strength applies to a surface that has not been damaged. When measuring after a shorter curing time or lower hardening temperature, the value as above must be reduced. To reduce the risk of cracking due to movements in walls and penetrations, these could be provided with a soft

strips weberfloor 4960. The soft strips are cut off with the finished floor surface and filled with an elastic soft joint. At entrances, you should, if practically possible, have wiping mats for coarse dirt and textile mats that soak up moisture to keep the floors fresher and save on cleaning and maintenance.

Equipment and tools can be rinsed clean immediately after use. Hardened material must be removed mechanically.

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. 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 4602. 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 4602 Industry should be mixed with 3,6 to 3,8 litres of clean water per 20 kg bag (18-19%) 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 4602 Industry. 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 19%. 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 200 to 230 mm (weber ring 68x35 mm) or 135-150 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

The cured material constitutes a finished floor for industry, a finished subfloor for weberfloor 4610 Industry Top or weberfloor 4630 Industry Lit or a finished subfloor for resin based coatings. Coating thickness for resin based coatings should normally not be less than 3mm, 5mm if the floor will be exposed to fork lift traffic. Note that in commercial kitchens, special requirements are set that must be taken into account when choosing resin based and its thickness. A correctly installed leveling compound does not need to be grinded as grinding risks reducing the surface strength.

If weberfloor 4602 is to be a finished surface, a surface treatment can be done to reduce the material's absorption of dirt and contaminants and to facilitate cleaning. Surface treatment is done by applying Weber water stop / surface hardener. The surface treatment is applied at the earliest after 1-4 days in a drying climate about 20 degrees and 50% relative humidity in the room air. 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 can be found in the Weber Navigator Floor, alternatively they can be obtained by contacting Weber.

The recommended drying time before surface treatment or resin based coating can take place is at least 1 day per cm layer thickness at 20 degrees and 50% relative humidity in the room air.

Recommended drying time before gluing wooden floors is one week per cm layer thickness.

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.

When casting on dry surfaces in an environment that allows drying and rapid curing of the leveling compound, approx. + 20 ° C and 50% RH, coating of the compound can take place when the surface strength has risen to at least 1.5 MPa. It usually takes 1 - 4 days depending on the drying climate and layer thickness. When gluing wooden floors, the drying time is approx. one week per cm layer thickness. It is important to note that weberfloor 4602 Industry Base Extra cannot compensate for already moist substrates.

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.