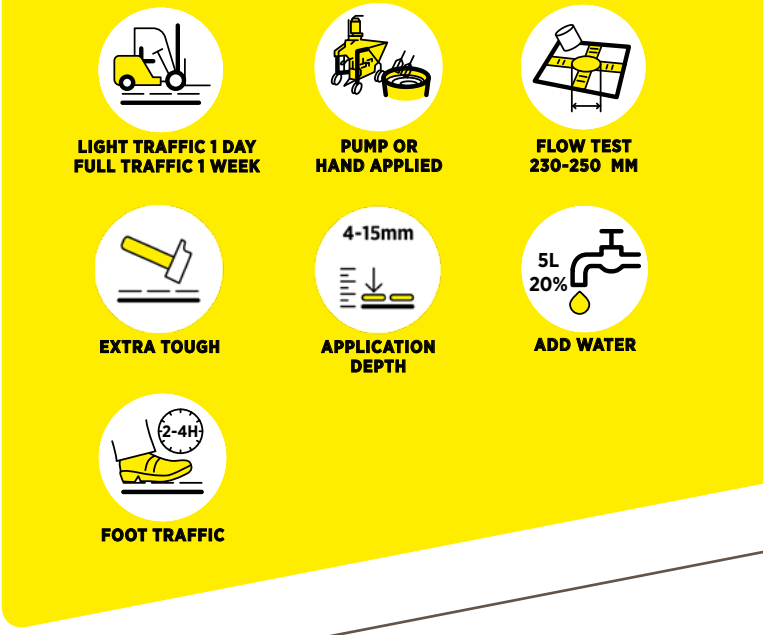
weberfloor industry pro top 4610

Premium self-smoothing industry top screed

- Industrial areas
- Suitable for solid bonded substrates
- Can be left uncovered even in high traffic areas



About this product

weberfloor industry pro top 4610 is a pump or hand applied, self-smoothing, very hard wearing screed, which can level industrial substrates and is ideal as a final finished layer. The product is formulated from special cements, aggregates and chemical admixtures.

weberfloor industry pro top 4610 is designed for the use even in heavy industrial areas. It allows full traffic and far superior performance compared to traditional screeds, concrete or anhydrite screeds.

weberfloor industry pro top 4610 can also be used in commercial scenarios as final finish where a “concrete” effect is desired.

Features and benefits

- For application depths between 4-15mm
- Pump or hand applied
- Foot traffic after 2-4 hours
- Light industrial traffic after 24 hours
- Full industrial traffic after 1 week
- Super flat and smooth finish minimises wear and enables high storing shelves
- Very high durability towards mechanical stress - long lifetime
- Low alkalinity
- Casein-free
- Low emissions

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Uses

For levelling solid bonded substrates:

- Concrete
- Base screeds
- Anhydrite screeds

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Suitable for covering with:

- Epoxy resin coatings
- Polyurethane coatings

Durability

weberfloor industry pro top 4610 has similar chemical resistance to concrete. Floors which are subject to constant loading in the form of common chemicals, oils, cutting or cleaning fluids etc, require surface protection. Examples of industries where this is necessary are the food industry, abattoirs, dairies, fish processing and similar.

Preparation

The surface strength of the substrate must be greater than 1.5N/mm^2.

It is essential the substrate is suitably prepared and primed with **weberfloor 4716 primer** prior to installing the Weber floor screed.

The substrate should be clean, free from dust, grease and other impurities that might prevent adhesion. Walls and any upstands (pillars, columns etc) should be isolated with 10 x 100mm foam.

Large irregularities in the substrate (>15mm) should be filled in with a application of **weberfloor base rapid 4360**, this should be allowed to harden and then primed before application of **weberfloor industry pro top 4610** can begin.

Holes and leaks in the substrate should be sealed. The substrate should be vacuum cleaned, prepared and primed with **weberfloor 4716 primer** according to the instructions on the data sheet.

Priming improves the screed's adhesion to the substrate and prevents the formation of air bubbles and de-watering of the screed. Priming also improves the flow properties of the screed. Dry and very porous substrates (cast-in-situ concrete floors) may need to be treated twice. If the screed is applied in more than one layer, each layer must be primed.

Mixing

weberfloor industry pro top 4610 is mixed with clean water using an automatic screed mixer approved by Weber.

The material is mixed with 20% water, which corresponds to 5 litres per 25kg bag. It is important to add only the specified amount of water as excess water will reduce strength, increase shrinkage and encourage segregation. Whilst mixing, the water content should be checked continuously by the flow ring test to ensure that the material is correctly mixed and free from separation and lumps of powder. The flow rate should be between 230-250mm . Conversely, reduced water content increases viscosity. The temperature of the mix should ideally be between +15°C and +20°C.

For manual mixing thoroughly mix using a slow speed electric mixer (500 rpm) for at least two minutes. Allow to stand for 2 minutes.

Application

Light ventilation in the working area is necessary but windows and door openings must be closed sufficiently to avoid draughts during and for 3 days after application.

During application, and for at least 1 week afterwards, the substrate and ambient temperature should not fall below +10°C or rise above +25°C. The relative humidity of the substrate must be <95%.

To achieve the best finish, the floor area should be divided into bays of 6 to 8 metres depending on pump capacity and application thickness. **weberfloor 4965 barrier foam** should be used to form bays and stop ends. Pumping is carried out in sections so that a new section is pumped as quickly as possible and to maintain a wet edge. A wide serrated spatula or spike roller should be used to assist the self-levelling process.

Overlay

weberfloor industry pro top 4610 can be left uncovered as a final floor finish, even in high traffic industrial areas.

weberfloor industry pro top 4610 is compatible with most epoxy and polyurethane resin coatings.

If the substrate is suitably dry **weberfloor industry pro top 4610** is ready to receive an resin coating after 24 hours.

Drying time

The screed can receive foot traffic after a drying time of 2 – 4 hours at an ambient temperature of +20°C. If necessary, the surface can be ground after 1 days following application.

It will receive forklift wheel traffic after 24 hours and full traffic after 7 days.

High humidity of the substrate and poor drying conditions prolong the setting time.

Packaging

weberfloor industry pro top 4610 is packed in 25kg polythene-lined paper sacks.

Storage and shelf-life

When stored unopened in a cool, dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

Poor storage conditions may have an adverse impact on the levelling properties.

Health and safety

Please see latest material safety datasheet via our website for information.

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SAINT-GOBAIN

weberfloor industry pro top 4610

Technical data

Application temperature	+10°C to +25°C
Minimum substrate strength	1.5N/mm²
Minimum thickness	4mm
Maximum thickness	15mm
Water demand	5 litres/ 25kg (20%)
Compressive strength	C 35
Flexural strength	F 10
Shrinkage (28 days)	< 0.07%
Weber flow rate	230 – 250mm
Approx. material consumption	1.7kg/ m² / mm
Hardening time (before foot traffic)	2-4 hours in normal conditions
Hardening time (before final covering)	24 hours depending on layer thickness and drying conditions
Pot life	20 min (after adding water)
Wear resistance (steel-wheel, class)	BCA class AR 0.5
Wear resistance (RW (defined) class)	RWA 100
Pendulum Test Value (dry)	65 - Low potential for slip*
Pendulum Test Value (wet)	40 - Low potential for slip*
Pendulum Test Value (oil)	16 - High potential for slip*

* Whilst these results are typical of what we would expect, we would recommend that tests are also undertaken on site.

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