weberfloor base rapid 4360

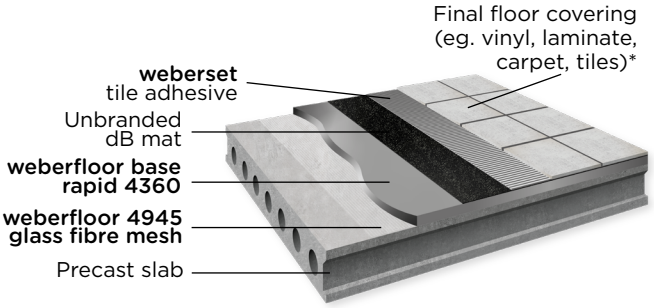
Rapid drying self-smoothing thick base screed

- Domestic, Commercial & Industrial areas
- For levelling highly irregular substrates
- Ideal for receiving Weber thin topping and industrial screeds

About this product

weberfloor base rapid 4360 is a pump or hand applied, self-smoothing, thick base or renovation screed for floors with Low Dust Technology™, which gives an extra strong base layer for receiving tiles, thin topping screeds or industrial screeds. The product is formulated from special cements, aggregates and chemical admixtures.

weberfloor base rapid 4360 is designed for the use in residential, commercial and industrial areas allowing a much earlier overlay compared to traditional sand/ cement, concrete or anhydrite screeds. It is ideal for the renovation of existing floors and floating floor constructions. Particularly where there are large irregularities in the substrate.



Features and benefits

- For application depths between 20-80mm
- Weber Low Dust Technology™ improves comfort of applicators
- Pump or hand applied
- Rapid drying
- Foot traffic after 2-3 hours
- Tile after 12 hours
- Final floor covering installed after 1-7 days in normal conditions
- Ideal for correcting highly irregular substrates
- Low alkalinity
- Casein-free
- Low emissions

weberfloor base rapid 4360

Uses

For levelling bonded, unbonded and floating substrates:

- Concrete
- Sand/ cement screeds
- Anhydrite screeds
- Wooden boards
- Under-floor heating/warming
- Insulation boards
- Existing tiles
- Bitumen

Suitable for covering with:

- Tiles
- Weber thin topping screeds
- Weber industrial screeds

Constraints

- Not a wearing screed and must be covered
- Must be used fully bonded in industrial areas

A thin layer of **weberfloor smooth 4150** or **weberfloor smooth rapid 4160** can be used on top of **weberfloor base rapid 4360** prior to the overlay of flexible floor coverings such as Vinyl or Linoleum.

Please see relevant datasheets for more details.

Preparation

The surface strength of the substrate must be greater than 1N/mm^2 in residential or commercial areas and 1.5N/mm^2 in industrial areas.

It is essential the substrate is suitably prepared and primed with **weberfloor 4720 epoxy primer** or **weberfloor 4716 primer** prior to installing the weberfloor screed. **weberfloor 4720 epoxy primer** is an ideal choice for industrial construction and detailing applications providing bond strength and priming layer between the substrate and weberfloor screed. It is also efficient in large areas with coverage of approx. 3.17m^2 per kg per mixed components and can be suited for moisture-sensitive surfaces. **weberfloor 4716 primer** is a styrene acrylate dispersion which can be diluted with water, offering alkali resistance and adhesion properties.

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 (>80m) two applications of **weberfloor base rapid 4360** can be used. The first layer should be allowed to harden and then primed before the second application can begin.

Holes and leaks in the substrate should be sealed. The substrate should be vacuum cleaned, prepared and primed with **weberfloor 4720 epoxy primer** or **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 base rapid 4360 is mixed with clean water using an automatic screed mixer approved by Weber.

The material is mixed with 18% water, which corresponds to 4.5 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 180-210mm. Conversely, reducedwater 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 flat spatula or wobble bar should be used to assist the self-levelling process.

Substrate

weberfloor base rapid 4360 can be used on floating and unbonded substrates, however **weberfloor fibre 4310** or **weberfloor fibre rapid 4320** are recommended for these applications as they have superior performance and can be applied thinner. Please see relevant datasheets for information.

Overlay

weberfloor base rapid 4360 is compatible with most common tile adhesives and all Weber thin topping screeds and industrial screeds.

weberfloor base rapid 4360 is ready to receive these Weber thin screeds after 4-6 hours (in normal conditions). However the drying time 1-7 days must be observed and it should be ensured that the floor has reached the appropriate humidity, as defined by the relative British Standard, before the final floor covering can be applied.

It should not be painted or used without a floor finish.

Drying time

The screed can receive foot traffic after a drying time of 2-3 hours at an ambient temperature of +20°C. If necessary, the surface can be ground after 2 days following application.

Floor covering can be installed in after 1-7 days, depending on layer thickness and drying conditions.

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

Packaging

weberfloor base rapid 4360 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.

Technical data

Application temperature	+10°C to +25°C
Minimum substrate strength	1N/mm² (residential & commercial areas) 1.5N/mm² (industrial areas)
Minimum thickness (bonded)	20mm
Minimum thickness (underfloor heating)	>25mm over the heating pipes
Minimum thickness (over slip membrane, solid substrate)	30mm
Minimum thickness (floating floor i.e. insulation board)	35mm (with **weberfloor 4945 fibre mesh**)
Maximum thickness	80mm
Water demand	4.5 litres/ 25kg (18%)
Compressive strength	C 30
Flexural strength	F 6
Shrinkage (28 days)	< 0.05%
Weber flow rate	180 – 210mm
Approx. material consumption	1.85kg/ m² / mm
Hardening time (before foot traffic)	2-3 hours in normal conditions
Hardening time (before tiling)	12 hours in normal conditions
Hardening time (before final covering)	1-7 days depending on layer thickness and drying conditions
Pot life	20 min (after adding water)

Saint-Gobain Weber
Dickens House, Enterprise Way,
Maulden Road, Flitwick,
Bedford, MK45 5BY

+44 (0) 1525 718877
technical@netweber.co.uk
www.uk.weber
@SGWeberUK

REV. 21/03/24