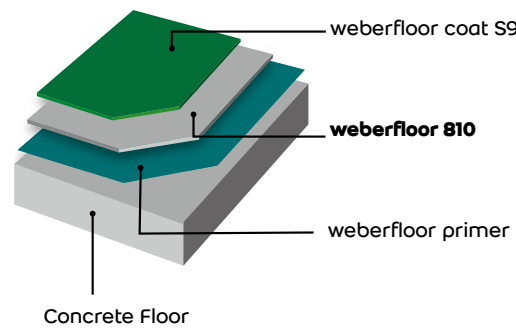


weberfloor 810

Different colours available, self-levelling, rapid hardening, cementitious flooring system for light-weight traffic, domestic and commercial use



weberfloor 810 is a machine or hand applied self-levelling floor surfacing system. It is formulated from special light colour cement and supplementary binders, together with pigment, that provide different colours to choose from. weberfloor 810 contains inorganic pigment which allows long-lasting colour. It is designed as a smooth overlayment for use on concrete floor for light-weight traffic. Express setting time enables short waiting period. Under normal conditions, access onto the floor is available after 2 – 3 hours. Provided that the substrate is suitably dry, the final flooring can be laid after 24 hours (for a 10 mm layer). It is supplied as a pre-blended, dry powder designed for application at thickness between 4 – 10 mm in one operation. Normal application thickness is 6 – 10 mm. weberfloor 810 does not contain casein or other protein bearing additives, making it particularly suitable for use in hospitals, food preparation areas and storage areas.

Uses

- Colour flooring with rapid hardening which finishing can be applied within 24 hours
- Residential and commercial flooring
- Hospitals, schools, sports stadium and theatres, etc.
- Smooth overlayment for light-weight traffic

Features and Benefits

HIGH QUALITY PRODUCT

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Different colours available, long-lasting colour
- Rapid hardening : finishing can be applied within 24 hours and available for foot traffic after 2 hours
- Good abrasion resistance
- Very low shrinkage and fibre reinforcement to prevent cracking
- High compressive strength
- Water resistance : can be exposed to water spillage without damage
- Chemical resistance : similar to dense concrete

EASY APPLICATION

- Single component : fixed mixing proportion, ensure the quality of work
- Suitable for both hand and machine applications
- Fast application : up to 300 m² per hour
- Can apply paint, epoxy coating, vinyl sheet, carpet and tiling directly

ENVIRONMENTALLY FRIENDLY

- Low pH : less aggressive to floor finishing
- Casein free : environmentally friendly

Should be applied on primed floor (with weberfloor primer)

Complied Standards

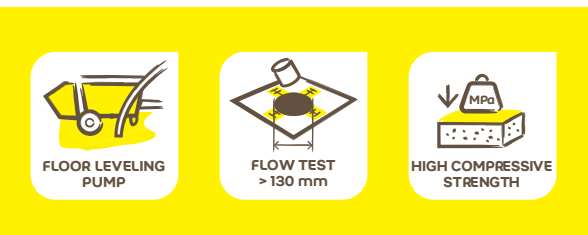
- European Norm : EN 13813, BN 12859
- Chinese Standard : JC/T 585 : 2017 Class CT – C30F8
- British Standard : BS 6319 : Part 2 : 1983



Packaging
25kg / bag

Storage life

6 months
if the product is kept in dry condition and stored in the original unopened packaging.



* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.

Technical Data

Colour (after curing)	Custom (grey, red, beige, green, blue, etc.)
Component	Portland cement, fast setting cement, non-reactive aggregate, graded sand other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 20 – 22% (5 – 5.5 L/25 KG bag)
Density	1.3 KG/L (dry) 2.0 KG/L (wet) for 21% water demand
pH value	Approx. 11
Thickness	4 – 10 mm
Time for foot traffic	2 hours
Coverage	Approx. 1.7 KG/m ² /mm
Theoretical consumption	Approx. 10.2 KG/m ² for thickness of 6 mm Approx. 2.5 m ² /25 KG bag for thickness of 6 mm

Physical Properties

Adhesion to concrete	EN 13892 – 8	≥ 1.5 N/mm ²
Compressive strength	EN 13892-2, BS 6319 : Part 2	1 day: > 15 N/mm ² 3 days: > 18 N/mm ² 7 days: > 23 N/mm ² 28 days: > 30 N/mm ²
Flexural strength	EN 13892 - 2	> 8 N/mm ²
Abrasion resistance	Rolling wheel abrasion: EN 13892 – 7 (In-house)	RWA20
Flow ring test	EN 13813, SS 92 35 19	> 130 mm
Free shrinkage	EN 13454 – 2	0.03 - 0.05%
pH value	EN 12859 : 2011	10 - 11

Procedures

Substrate Preparations

- Please refer to Substrate Preparations in weberfloor primer.

Mixing and Installation

- Substrate should be firstly primed by brushing diluted weberfloor primer. For the first coat, weberfloor primer diluted with clean water at a ratio of 1:5 should be applied. Allow the first coat to become tacky and dry before applying the second coat. For the second coat, weberfloor primer diluted with clean water at a ratio of 1:3 should be applied. Wait for the second coat to become tacky and dry before applying weberfloor 810.
- Hand application: Mix a bag of dry-mixed powder (25 KG) with 20 – 22% (5 – 5.5 L) water by using an electrical mixer for 3 – 4 minutes.
- Apply weberfloor 810 on primed substrate and under working condition above +10 °C. For continuous application, adequate mixing of material is necessary. weberfloor 810 can be applied by a trowel or steel spatula.
- Machine application: Adjust the flow rate of the machine until a smooth and homogenous mixture is obtained without segregation. A flow ring with volume of 35 cm³ can be applied to check the spreading of mixture, whose diameter should be equal or greater than 130 mm.
- weberfloor 810 is pumped onto the surface through the discharge hose, which is moved across the substrate surface at a constant pace for screed with uniform thickness. The required thickness must be achieved in one operation. The best performance can be achieved when pouring and levelling are done in a continuous process.
- The freshly applied material can be gently trowelled with a steel spatula to dissipate lines left by the hose. The semihardened material may be formed easily or cut for any necessary adjustments.
- weberfloor 810 must be applied to substrates under working condition above +10°C.
- Finishings such as epoxy coating, vinyl sheets and carpet can be applied 24 hours after curing.
- Please refer to our method statement for procedures in details.

Curing

- The relative humidity of the surrounding air should be below 70%. Light ventilation during and after laying is recommended, but dehumidifiers should not be used for the first 2 days. Curing membranes are not required.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

Colour Chart



Note: Slight colour variations may exist between this colour chart and the actual product. Owing to uncontrollable pigment fading, tarnishing of printed material or paper aging, the colours in this chart may change.