weber REP flow

- Pumpable - fast and ergonomic setting
- Finished concrete surface with minimal work effort
- Suitable for indoor and outdoor use, for example, for garages, terraces, exterior corridors, basement floors, etc.
- Compressive strength class C35/45

ABOUT THIS PRODUCT

weber REP flow is a pumpable floawing surface concrete that provides a wear-resistant finished concrete surface. REP flow is based on Portland cement, sand and additives to achieve good flow properties, low shrinkage, good adhesion to the substrate and good frost resistance.
The material can be mixed and placed by hand or with Weber's mixer pumps. weber REP flow can also be delivered with Weber's pump truck.

AREA OF USE

weber REP flow is a flow concrete that is recommended to be used indoors and outdoors both in new production and in renovation, where it requires durable, moisture and frost resistant floors. Recommended layer thickness is (10)*-80 mm
*difficult to achieve on large areas.

SUBSTRATE

Concrete:
The substrate should be clean and free of contamination, oil/grease, cement skin/sludge, etc. Pollutants that affect adhesion may not occur. The surface strength must be at least 1 MPa on underlying concrete. Concrete substrate needs to be roughened before application, see section pre-treatment.

Floating floors:
REP flow on non-supporting substrates, type insulation or similar like shall be reinforced and performed as a standard casting. The minimum layer thickness for a reinforced floating floor is 40 mm.

PRODUCT SPECIFICATION

Material consumption	2.0 kg/m²/mm
Recommended layer thickness	10-80 mm
Recommended water content	Approx. 3.0 l/20 kg
Application temperature	+8...+25 °C
Pot life (Operating time)	Approx. 20 min (+20 °C)
Curing time for pedestrian traffic	8-12 hours (+20 °C)
Curing time for light traffic load	1 day (+20 °C)
Curing time for full traffic load	7 days (+20 °C)
Binder	SR Cement
Fiber	Yes, polypropylenefibre
Aggregate	Natural gravel/sand 0-2 mm
Compressive strength class	C35/45 (EN 206-1)
Compressive strength 1 day	> 10 MPa (EN 12390-3)
Compressive strength 3 days	> 25 MPa (EN 12390-3)
Compressive strength 7 days	> 30 MPa (EN 12390-3)
Compressive strength 28 days	> 45 MPa (EN 12390-3). For accredited strength testing report at 28 days, contact Weber.
Flexural strength class	F7 (EN 13813)
Shrinkage 28 days	< 0.50 mm (EN 13454-2)
Exposure class	For applications in structures subject to exposure class requirements, refer to the separate Weber concrete products – classifications and approvals table available on the product page.
Repair class	R3 (1504-3)
Frost resistance	Good (SS 13 72 44 IA)
Flow rate	160-190 mm (Weber standard 99:03)
Density	Approx. 2050 kg/m³
Water cement ratio	Approx. 0.40
Storage conditions	Shelf life is approx. 12 months from the date of manufacture (unopened package, dry space)
Package	20 kg sack. 1000 kg large sack. On order also bulk in a silo to large sites.
Certifications	CE

Saint-Gobain Finland Oy
Weber
Strömberginkuja 2, PL 70
00381 Helsinki

www.fi.weber

Saint-Gobain Tuoteneuvonta
Puh. 010 44 22 312
tuoteneuvonta@saint-gobain.com

2026-03-26

CONSTRAINTS

- Do not use in temperatures below +5 °C. Application temperature +8...+25 °C.

PRE-TREATMENT

Pre-treatment of suction substrates:
The substrate can be primed indoors with weber MD 16 primer. The priming is mixed in the ratio 1: 5 and worked down into the substrate with broom. The primer needs to dry and form a film before the application of weber REP flow. The temperature at priming should exceed +8 ° C.

Smooth and slightly absorbent concrete substrate:
On smooth and hard concrete substrates, mechanical machining (i.eg blasting, watering, rough grinding or similar) is mandatory before application. On hard and slightly absorbent concrete substrates, a separate primer is not necessary. The roughened surface should be pre-moistened to a matte damp condition well in advance (approximately one day beforehand), and if needed, the pre-moistening should be repeated before applying the product, depending on the substrate and conditions. No free water must be present on the surface before the product is applied.

MIXING

Hand applying:
The mixture is made in larger mixing vessels or mixer with room for 3-4 bags (75-100 liters). Add most of the water into the mixer. Mix in the dry and adjust the consistency with remaining water. The mixture should be homogeneous and lump free. Mix with a drill and whisk for 3-4 minutes. Water requirement 3.0 liters / 20 kg. Desired flow/consistency: 160-190 mm with Webers standard flowmeter ring (ø68xh35) mm. The mixture should be homogeneous and must not be separated.

Observe:
Never use more water than necessary to get a good result! Cold and hot water and materials respectively, affect the workability of the pre-mixed concrete. Refined concrete should keep the temperature +10...+25 °C at the time of applying.

WORK INSTRUCTIONS

Applying by hand:
The concrete is poured into suitable buckets. The mass is distributed in layers and gradually processed by a wobbler or similar to achieve a flat surface. The processing time at +20 °C is about 20 minutes.

Applying by concrete mixing pump:
REP flow is pumped onto the substrate in a maximum of 10 meters. Each new wet layer is put into "wet wet" with an overlap of about 5 cm as fast as possible to allow the mass to flow into evenly. During laying, the mass is machined with a wobbler in the same direction as the hose liner to avoid possible foam and stripes from the top surface. The layout is adapted to the capacity of the mixing pump and the layer thickness. The width should not exceed 10 meters without delimitation. If you want to get a floor with a high level of flatness, it is important to limit the width of the deployment and to use a static aftermixer (sausage killer) is recommended to ensure the homogeneity of the concrete.

AFTER-TREATMENT

The finished surface should be protected against dehydration. For best final results, exposed areas should be protected during the first days against direct sunlight, rain and wind. Concrete curing agent can be applied at the earliest when weber REP flow is possible to walk on and no later than one day after applying.

weber REP flow is ready for light traffic load after about 1 day (+20 °C) without requiring additional treatment or surface coatings. If desired, the surface can be painted, impregnated or surface coated with any material (intended for direct contact with concrete). Ask Weber about surface coatings.

PLEASE OBSERVE

At a temperature lower than +5 °C, the growth will stop. When casting on cold concrete surfaces, this must be considered and, if possible, also heat the material / substrate before casting. Then protect the molded casting against cooling. The concrete must not be exposed to frost before the strength of 5 MPa is reached. This usually occurs after 1-3 days depending on the surrounding temperature and weather conditions.

SAFETY REGULATION

Always read the applicable safety data sheets, use personal protective equipment and follow the workplace safety regulations.

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

Saint-Gobain Finland Oy
Weber
Strömberginkuja 2, PL 70
00381 Helsinki

www.fi.weber

Saint-Gobain Tuoteneuvonta
Puh. 010 44 22 312
tuoteneuvonta@saint-gobain.com

2026-03-26

specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

Saint-Gobain Finland Oy
Weber
Strömberginkuja 2, PL 70
00381 Helsinki

www.fi.weber

Saint-Gobain Tuoteneuvonta
Puh. 010 44 22 312
tuoteneuvonta@saint-gobain.com

2026-03-26