



weber REP 933

- Repairconcrete
- Pumpable

About this product

REP 933 is a dry mix concrete. Mix only with water to obtain a ready-to-use pumpable concrete mass. Due to its easy-flowing consistency, the REP 933 is especially suitable for dense reinforcement. Provides in hardened condition, good resistance to, among other things, thawing salt. Compressive strength class C40/50 in light liquid consistency. REP 933 is part of Weber's concrete repair system. Repair class R4 according to EN 1504-3.

Area of use

Pump concrete is used for concrete laying and casting work where a high-quality and frost-resistant concrete is required. REP 933 is intended for use in castings on rough structures from 50mm. REP 933 is adapted to be pumped with a concrete pump type piston pump, but can also be applied in the usual way.

Substrate type

- Concrete
- Mineral
- Brick
- Steel
- Stone

Constraints

- Should not be used in temperatures below +5°C

Pretreatment

1. Loose, porous or greasy impurities such as joint-filled concrete, casting skin and paint should be removed using a concrete cutter or similar. Steel trowelled and other smooth surfaces should be roughened. 2. At latest the day before casting the substrate should be watered thoroughly. For topping the substrate should be slightly absorbent. 3. Water-cut concrete and broken-up raw concrete surfaces do not require splat-terdashing. Normal concrete surfaces may be splat-terdashed using Weber REP 05 betoheft. Very smooth and hard surfaces may require epoxy priming.

Mixing

The concrete is mechanically mixed for 5 minutes with about 2.1 liters of water per bag of 20 kg, whereby about 11 liters of concrete are obtained in easy-flowing consistency. No additional additives are required. Mixing is done with flat mixer or drill / whisk.

Work instructions

Mix the concrete. Fill formwork. For larger thicknesses each layer should be compressed about 50 cm. First use a thin vibrator rod and make repeated downward thrusts. For horizontal castings use a "vibro-bar" or "vibro-bridge". Protect the casting immediately against rapid dehydration.

Product specification

Material consumption	2,0 kg/m ² , mm
Recommended water content	approx 2,1l / 20 kg
Mixed volume	approx 11 L / 20 Kg
Pot life (Operating time)	approx 30min
Curing start	approx 5 hours
Binder	Portlandcement
Cement type and class	Cem I 42,5N MH/SR3/LA EN 197-1
Aggregate	Natural gravel/sand 0-8mm
Adhesion strength 28 days	>2,0 MPa according to EN 1542
Compressive strength class	C40/50 according to EN 206-1
Compressive strength 1 day	>20 MPa according to EN 12390-3
Compressive strength 3 days	>25 MPa according to EN 12390-3
Compressive strength 7 days	>40 MPa according to EN 12390-3
Compressive strength 28 days	>60 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber.
Exposure class	X0/XC4/XS2/XD2/XF4/XA2
Resistivity	9400 Ωcm, wet storage
Frost resistance	Very good, according to SS 13 72 44 1A (salt environment)
Modulus of elasticity	>20 Gpa according to EN 13412
Waterproof	Yes, according to SS 137214
Air content	approx 7% according to EN 1015-7
Water cement ratio	approx 0,40
Storage conditions	Storage time for bags on a plastic-covered pallet is approx. 12 months from date of packing. Store in a dry place.
Package	20 kg bag 1000 kg bigbag Bulk

After-treatment

Because of Repair Concrete's low water-cement ratio, curing with water or protection against early withdrawal of moisture should be effected immediately. If no after-treatment such as painting is to be carried out, membrane curer should be applied to the surface without delay. If the surface is being after-treated, Weber CMS 8030 (shrinkage barrier, which is non-film forming) should be applied the following day or when watering has finished or on removal of plastic sheeting.

Please observe

At temperatures lower than +5 °C, the strength growth stops. Also note castings against cold concrete surfaces. Use warm concrete and protect the castings from cooling. Castings must not be exposed to frost before the concrete has reached a strength of 5 MPa. Do not cure with water at the risk of minus degrees.

Safety regulation

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

Recycling

Please visit your local weber website to find information on waste material and packagings.

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.