



weber EXM 712

- Fast curing
- Ensures strength growth even in freezing temperatures

About this product

EXM 712 is a dry concrete. It should be mixed only with water to obtain a ready-to-use, fast curing and expanding concrete. EXM 712 secures the curing process even in minus °C (Freeze resistant properties). Compression strength C32/40.

Area of use

EXM 712 is adapted for use where a fast curing product is needed to be able to remove casting mould after a short time (from approx. 45 min). The concrete is also suitable for use in low temperatures (down to approx. -10°C) without changing the time before casting mould removal. EXM 712 is suited for use in thicknesses of 30-300 mm and could be used in underpinning, embedding and encasing of prefabricated concrete elements, pillars, machine parts etc. Galvanized embedded components should be given anti-corrosion protection of the parts to be embedded.

Substrate type

- Concrete
- Block
- Floor levelling
- Tile
- Mineral
- Stone
- Wood

To know before applying

Due to the fast curing of EXM 712 we don't recommend pumping the product.

Pretreatment

Clean casting site well. Raw, broken-up surfaces for casting against an existing structure provides the best adhesion. Always moisten the casting site so that water is not sucked out of the casting compound. However when casting, no unconfined water should occur at the casting site. Be aware that moistening could result in adhesion problems if done below freezing point.

Mixing

EXM 712 should be mixed by machine for minimum 5 minutes using approx. 3,5 litres of water per 25 kg. This amount yields approx. 14 litres fresh concrete with light flowing consistency. No additives needed. If mixed in cold temperature use warm water and try to achieve a mixed material with the temperature of approx. +20°C. Mixing should be performed using a paddle or contraflow mixer, high speed mixer or drilling machine with beater.

Work instructions

Mix EXM 712. Fill the casting mould from one side so that no air bubbles are trapped when casting. Only light vibration or puddling is necessary.

Product specification

Recommended layer thickness	> 30mm
Recommended water content	3,5l / 25 kg bag
Mixed volume	approx 14 L / 25 Kg
Pot life (Operating time)	approx 15min at 20°C
Consistency	Easy flowing
Binder	Portlandcement
Ballast	Natural gravel/sand 0-4mm
Compressive strength 1 day	>25 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber. >5 MPa at -10°C
Compressive strength 3 days	>30 MPa according to EN 12390-3. >15 MPa at -10°C
Compressive strength 7 days	>35 MPa according to EN 12390-3
Compressive strength 28 days	>50 MPa according to EN 12390-3
Exposure class	X0, XC4, XS2, XD2, XF2, XA1 according to EN 206-1
Frost resistance	Yes, XF2 according to SS 13 72 44 (non salt environment)
Waterproof	Yes, according to SS 137214
Air content	approx 5%
Water cement ratio	< 0,45
Shelf life	Storage time for bags on a plastic-covered pallet is approx. 12 months from date of packing. Store in a dry place.
Package	25 kg bag 1000 kg bigbag Bulk

After-treatment

The finished casting should be protected against dehydration. Exposed surfaces (stripped early) should be cured with water during the first couple of days. When watering is finished or when the covering is removed (permanent formwork), Weber krympspärr (shrinkage barrier) can be applied for best results. If no paint or other surface treatment should be applied, use Weber Membrane Sealer instead. Do not cure the casting with water if temperature is below freezing point.

Please observe

EXM 712 should have a temperature of approx +20°C when casting. The substrate should always be free from ice and snow. Liquid water or other polluting substances should be removed.

Safety regulation

Always read the applicable safety data sheet. Use personal protective equipment. Follow the workplace safety regulations.

Environmental advice

Empty bag can be incinerated.
Powder form: Store dry for later use.
Wet product: Allow to cure for filling mass
Cured product: Used as filling mass

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.