



## weber EXM 711

- Fast curing
- Ensures strength growth even in freezing temperatures
- Expanding

### About this product

EXM 711 is a dry concrete. It should be mixed only with water to obtain a ready-to-use, fast curing and expanding concrete. EXM 711 secures the curing process even in minus °C (Freeze resistant properties). Compression strength C32/40.

### Area of use

EXM 711 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 711 is suited for use in thicknesses of 15-100 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
- Cementitious floor levelling
- Tile
- Mineral
- Stone
- Wood

### Constraints

- Should not be used in mixer/pump

### To know before applying

Due to the fast curing of EXM 711 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 711 should be mixed by machine for minimum 5 minutes using approx. 3,6 litres of water per 20 kg. This amount yields approx 11 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.

### Product specification

Recommended layer thickness	10-100mm
Recommended water content	3,6 L / 20 kg bag
Mixed volume	approx 11 L / 20 Kg
Pot life (Operating time)	approx 15min at 20°C
Consistency	Easy flowing
Binder	Portlandcement
Aggregate	Natural sand 0-1mm
Compressive strength class	C32/40
Compressive strength 1 day	>30 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber. >10 MPa at -10°C
Compressive strength 3 days	>35 MPa enligt EN 12390-3, >20 MPa -10°
Compressive strength 7 days	>40 MPa according to EN 12390-3
Compressive strength 28 days	>50 MPa according to EN 12390-3
Frost resistance	Yes, XF2 according to SS 13 72 44 (non salt environment)
Air content	approx 5%
Expansion	0,5-2 %
Water cement ratio	< 0,45
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

### Work instructions

Mix EXM 711. Fill the casting mould from one side so that no air bubbles don't get trapped when casting. Only light vibration or puddling is necessary.

### 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 71I 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

**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.