



# weber EXM 731

- Frostresistance
- Pumpable

## About this product

EXM 731 is a certified dry concrete. Should only be mixed with water to obtain a ready-to-use thixotropic, expanding, frost resistant and pumpable mortar. Compressive strength: >40 MPa.

## Area of use

EXM 731 is suitable for a wide field of application since it has excellent adhesion and pumping characteristics. It is intended for jointing between precast concrete units with joints from approx. 10 mm where good adhesion and sealing is required. It is also used to reinforce and joint old stone bridges and embankments, concrete and stone/brick walls, large cracks in concrete and mouldings, e.g. between walls and balcony slabs etc. Be cause of its thixotropic consistency EXM 731 is especially suitable for vertical joints. It is designed to be mixed and pumped using mixing pump DUO-MIX 2000.

## Substrate type

- Concrete
- Block
- Cementitious floor levelling
- Tile
- Mineral
- Stone
- Wood

## To know before applying

Intended for use primarily with Weber mixer pump, DUO-MIX 2000.

## Pretreatment

For jointing on or against old concrete when, the following should be observed: Surface skin, paint and crack-filled concrete should be removed with a concrete cutter or similar. Steel troweled and other smooth surfaces should be roughened. On the day prior to jointing at latest, the substrate should be watered thoroughly. Highly absorbent substrates may also require watering on the day of jointing. When jointing the substrate should be slightly absorbent. Only the surface coat should absorb water.

## Mixing

For mixing and pumping, Weber mixing pump DUO-MIX 2000 is recommended. EXM 731 can also be mixed using a paddle or contra flow mixer, or drilling machine with beater for 5 minutes with approx. 3,5 litres water per 20 kg, which yields approx. 10 litres fresh concrete of thixotropic consistency. No further admixtures are recommended.

## Work instructions

Jointing using EXM 731 is normally undertaken using a pump with some form of nozzle on the hose is used, but the mortar can also be applied by hand.

## Product specification

Recommended water content	3,5 L / 20 Kg
Mixed volume	approx 10 L / 20 Kg
Application temperature	> 5 °C
Pot life (Operating time)	30min at 20°C
Curing start	approx 4 hours
Consistency	Thixotropic according to SS- EN 1015-3
Binder	Rapid curing cement
Cement type and class	Cem I 52,5R, according to EN 197-1
Aggregate	Natural gravel/sand 0-1mm
Additive	Adhesive enhancer and consistency thickener
Compressive strength 1 day	
Compressive strength 7 days	>30 MPa according to EN 12390-3
Compressive strength 28 days	>40 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber.
Shrinkage 28 days	< 1,5 ‰ and < 2,0 ‰ after 231 days according to SS 137215
Exposure class	X0/XC4/XS1/XD2/XF4/XA1
Resistivity	6000Ωcm (wetstorage)
Frost resistance	Yes, according to SS EN 137244 1A. XF4
Waterproof	Yes, according to SS 137214
Air content	5-10% according to EN 1015-7
Chloride content	< 0,1% of cement according to SP-method 0433
Expansion	At most 4 ‰ according to SS-EN 445
Water cement ratio	< 0,50
CE-marking designation code	EN 1504-6, Dop-SE 0226 according to SP Cert 0402
P-label	CR059, Cert nr. 125703 according to SP Cert 1002
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
Global Warming Potential (GWP) Acc. EPD A1-A3	0,321 kg CO <sub>2</sub> e/kg
Water separation	None, according to SS-EN 445

## Please observe

At temperatures below +5°C strength development will cease. Care must be also taken when casting against cold concrete surfaces. Use warm concrete and protect finished castings against cooling. The concrete must not be exposed to frost

until strength corresponding to 5 MPa is obtained. At jointings where the temperature is below  $\pm 0^{\circ}\text{C}$  and a certified dry mortar is not required EXM 741 is recommended. At any uncertainties about how to use the product, please contact Weber.

### **Safety regulation**

Always read the applicable safety data sheet, 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 specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.