



weber EXM 741

- Frostresistance
- Pumpable

About this product

Weber EXM 741 Tix -10 ° C is a dry mortar intended to be used to ensure strength even at freezing temperatures. Only mix with water to obtain a ready-to-use thixotropic, expanding, frost-resistant and pumpable concrete. Compressive strength > 40 MPa. EXM 741 Tix -10 ° C is also available in a summer variant, (EXM 731 Expanding Fogbetong Tix), which is a certified dry mortar.

Area of use

EXM 741 -10° 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 741 -10° 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. 3.4 litres water per 20 kg, which yields approx. 10 litres fresh concrete of thixotropic consistency. No further admixtures are recommended.

Product specification

Recommended water content	3,4L / 20 Kg
Mixed volume	approx 10 L / 20 Kg
Pot life (Operating time)	+ 20 °C, 30min
Curing start	approx 4 hours
Binder	Cement SH P
Fiber	No
Aggregate	Natural gravel/sand 0-1mm
Additive	Adhesive enhancer, consistency thickener and winter additives
Compressive strength 1 day	4 MPa in a ambient air temperature of -10°C
Compressive strength 3 days	>30 MPa according to EN 12390-3
Compressive strength 7 days	>35 MPa according to EN 12390-3. Temperatures at -10°C on material and casting sites: >8 Mpa
Compressive strength 28 days	>45 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber. At -10°C approx >15 MPa
Exposure class	X0, XC4, XS3, XD3, XF4, XA1 according to EN 206-1
Frost resistance	Yes, according to SS 137244 1a (salt environment)
Waterproof	Yes, according to SS 137214
Air content	4 - 6 %
Expansion	At most 4 % according to SS-EN 445
Water cement ratio	< 0,50
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

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.

Winter Management:

Ice and snow must not be present at the casting site. The most sure is if the molding surfaces are thawed. The concrete should be + 20 ° C during mixing and special care must be taken so that mixers and hoses do not freeze. No heating of the casting site need to be done and the casting need not be protected against frost after casting.

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.

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