weber EXM 702

- Expanding concrete fine is a certified dry concrete intended for under-pinning
- Embedding and encasing of bridge bearings, steel and concrete piles, balustrade standards etc.

About this product

Expanding Concrete Fine is a certified dry concrete. It should be mixed only with water to obtain a ready-to-use, light- ly flow ing, expanding, frost-resistant, underpinning mortar. Expanding Concrete Coarse gives excellent adhesion to adjoin ing surfaces, and like other cement-rich mortars it provides very high corrosion protection for embedded components made from untreated steel. Embedded components of un- treated aluminium must not be used. Galvanized embedded components should be given anti-corrosion protection of the part to be embedded. Expanding Concrete Fine provides excellent airtight ness and thus offers good resistance against outside elements such as detergents, light acid attack, saline solutions and similar. Expanding Concrete Fine is certified and approved in ac cordance with AMA Anläggnig. P-marked according to CR059.

Area of use

For use in layer thicknesses 10-100 mm. Especially suitable where all dimensions are given and total filling is required. Expanding Concrete Coarse is intended for use in underpin- ning, embedding and encasing of bridge bearings, steel and concrete piles, balustrade standards etc. and is also suitable for horizontal concrete laying and injection work.

Substrate type

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

Pretreatment

Clean casting site well. Raw, broken-up surfaces for casting against an existing structure provide best adhesion. Always moisten the casting site so that water is not sucked out of the casting compound. However when casting, no unconfined ground water should occur at the casting site.

Mixing

Expanding Concrete Coarse should be mixed by machine for minimum 5 minutes using approx. 2.8 litres water per 20 kg. This amount will yield approx. 10 litres fresh concrete of light flowing consistency. No further admixtures are recommend- ed. 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	Max 2,8 l / 20 kg
Mixed volume	approx 10 L / 20 kg bag
Application temperature	> 5 °C
Pot life (Operating time)	30min
Curing start	approx 4 hours
Consistency	380-450mm according to SP-standard 1651
Binder	Portlandcement, Cem I 42,5N MH/SR3/LA och Cem I 52,5R
Fiber	No
Aggregate	Natural gravel/sand 0-2mm
Compressive strength 1 day	>20 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.
Shrinkage 28 days	< 0,9 ‰ according to SS 13 72 15
Exposure class	X0, XC4, XS3, XD3, XF4, XA1 according to EN 206-1
Frost resistance	Yes, XF4 according to SS 13 72 44 (salt environment)
Waterproof	Yes, according to SS 137214
Air content	2–5% according to EN 1015-7
Chloride content	< 0,1% of cement according to SP-method 0433
Expansion	0,5-2 % according to SS-EN 445
Water cement ratio	approx 0,40
CE-marking designation code	EN 1504-6, Dop-SE 0216 according to SP Cert 0402
P-label	CR059, Cert nr. 125701 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	0.386 kg CO^{e}/kg
Water separation	None, according to SS-EN 445

Work instructions

Adjust the consistency to suit the casting to be undertaken. When underpinning, check that no air pockets occur by work- ing away from a hole. Only light vibration or puddling may be permitted. For pouring in the concrete, use of formwork with a raised edge on one side is recommended. EXM 702 should be applied within 30 minutes.

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SAINT-GOBAIN
Please find contact information
on your local Weber website.

After-treatment
The finished casting should be protected against dehydration. Exposed surfaces (stripped early) should be cured with water during the first 24 hours. When watering is finished or when the covering is removed (permanent formwork), Weber shrink barrier can be applied for best results.

Please observe
Winter handling: At temperatures below +5°C, strength development will cease. Care must also be 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 adhesion strength corresponding to 5 MPa is obtained, normally after 1-3 days. Alternatively Weber EXM 715 or EXM 711 can be used. Do not use water to aftercure when there is risk of frost.

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.

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