WEBER EXM 725

- Pumpable
- Sulfuric resistance
- Meets the demands in AMA Anläggning

ABOUT THIS PRODUCT

Expanding Concrete Coarse is a dry concrete. It should be mixed only with water to obtain a ready-to-use, lightly flowing, 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 embed-ded components made from untreated steel. Embedded components of untreated aluminium must not be used. Galvanized embedded components should be given anti-corrosion protection of the part to be embedded. Weber Expanding Concrete Coarse provides excellent airtight ness and thus offers good resistance against out-side elements such as detergents, light acid attack, saline solutions and similar. Expanding Concrete is based on a low heat sulphateresistant construction cement.

AREA OF USE

For use in layer thicknesses 30-300 mm. Especially suitable where all dimensions are given and total filling is required. Expanding Concrete Coarse is intended for use in underpinning, embedding and encasing of bridge bearings, steel and concrete piles, balustrade standards etc. and is also suitable for horizontal concrete laying and injection work.

CONSTRAINTS

PRODUCT SPECIFICATION

Recommended layer thickness	30-300mm
Recommended water content	2,2l/20 kg (11%)
Mixed volume	9,5 L / 20 Kg
Application temperature	> 5 ºC
Pot life (Operating time)	30min
Curing start	approx 4 hours
Consistency	365-440mm according to SP-standard 1651
Binder	Cem I 42,5mH/LA/SR3
Aggregate	Natural gravel/sand 0-4mm
Compressive strength class	C50/60 according to EN 206-1
Compressive strength 1 day	>20 MPa according to EN 12390-3
Compressive strength 7 days	>55 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	< 0,8 ‰ and 1,2‰ after 231 days according to SS 13 72 15
Exposure class	X0, XC4, XS3, XD3, XF4, XA2 according to EN 206-1
Resistivity	10000Ωcm (wetstorage)
Frost resistance	Yes, XF4 according to SS 13 72 44 (salt environment)
Waterproof	Yes, according to SS 137214
Air content	about 3% according to EN 1015-7
Chloride content	< 0,1% of cement according to SP-method 0433
Expansion	0,5-2,5 % according to SS-EN 445
Water cement ratio	approx 0,31
CE-marking designation code	EN 1504-6, Dop-SE 0224 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
Water separation	None, according to SS-EN 445

- Should not be used in temepratures below +5°C

TO KNOW BEFORE APPLYING

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 finis-hed 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 Expanding Concrete Cold (EXM715) can be used.

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. 2.2 litres water per 20 kg. This amount will yield approx. 11 litres fresh concrete of light flowing consistency. No further admixtures are recommended. Mixing should be performed using a paddle or contraflow mixer, high-speed mixer or drilling machine with beater.

WORK INSTRUCTIONS

Adjust the consistency to suit the casting to be undertaken. When underpinning, check that no air pockets occur by working 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. Expanding Concrete Coarse should be applied within 30 minutes.

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 (CMS 8030) can be applied for best results.

SAFETY REGULATION

Always read the applicable safety data sheets, use personal protective equipment and follow the workplace safety regulations.

QUALITY CONTROL

The product is P-labeled, according to SP / Certification, CR 059 expanding dry mortar. P-marking is a third-party certification, SP/Certification. The certification includes detailed requirements and controls of the product with respect to content, functional properties, durability and strength properties. The certification also includes annual follow-up of the manufacturer's own inspection, as well as testing in an independent laboratory, to verify that the stated requirements and properties are met. The current properties of the product and the requirements are stated in the certificate of approval and the product sheet.

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.