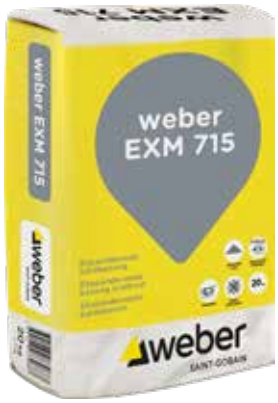
WEBER EXM 715



- Certified winterconcrete
- Ensures strength growth even in freezing temperatures
- Meets the demands of EN 1504-6, anchoringmortars

ABOUT THIS PRODUCT

EXM 715 is a certified anti freezing concrete. It should be mixed only with water to obtain a cementious cloride free non shrink grout to be used at freezing temperatures. EXM 715 gives excel lent adhesion to adjoining surfaces, and like other cement-rich mortars it provides very high corrosion protection for embedded components made from untreated steel. Embedded compon ents of untreated aluminium must not be used. Galvanized em bedded components should be given anti-corrosion protection of the part to be embedded. EXM 715 provides excellent airtightness and thus offers good resistance against outside ele ments such as detergents, light acid attack, saline solutions and similar. EXM 715 is certified and approved for casting at low temperatures down to -10 C in accordance with AMA Anläggning. P-marked according to CR 059. CE standard EN 1504-6.

AREA OF USE

Used in castings of 15-300mm. Can handle climate down to -10 ° C.

PRETREATMENT

Clean casting site well. Raw, broken-up surfaces for casting against an existing structure provide best adhesion. Above + 4° C 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. Below + 4°C do not moisten the casting site.

PRODUCT SPECIFICATION

Recommended layer thickness	15-300mm
Recommended water content	approx 2,6l/20 kg (12,7%)
Mixed volume	approx 10 L / 20 Kg
Application temperature	> -10°C
Pot life (Operating time)	approx 25min at 20°C
Curing start	approx 1 hour
Curing time	6h 25min hours according to SS 13 71 26
Consistency	350-420 mm according to SP-standard 1651
Binder	Portlandcement, Cem I 42,5N MH/SR/LA and Cem I 52,5R
Aggregate	Natural gravel/sand 0-4mm
Winter additive	Yes
Compressive strength 1 day	EN 196-1:2005 ≥20 MPa after 1 day, minimum strength. EN 12190 ≥20 MPa after 1 day, minimum strength. >25 MPa according to EN 12390-3, cube 100mm.
Compressive strength 3 days	>30 MPa according to EN 12390-3. At -10°C >10 MPa
Compressive strength 7 days	EN 196-1:2005 ≥40 MPa after 7 days, minimum strength. EN 12190 ≥40 MPa after 7 days, minimum strength. >40 MPa according to EN 12390-3, kub cube 100mm.
Compressive strength 28 days	EN 196-1:2005 ≥50 MPa after 28 days, minimum strength. EN 12190 ≥50 MPa after 28 days, minimum strength. >50 MPa according to EN 12390-3, cube 100mm. EN 196-1:2005 >30 MPa @ -10°C
Shrinkage 28 days	< 1,9 ‰ according to SS 13 72 15
Exposure class	X0, XC4, XS3, XD3, XF4, XA1 according to EN 206-1
Resistivity	7200 Ωcm, wet storage
Frost resistance	Very good, according to SS 13 72 44 1a
Waterproof	Yes, according to SS 137214
Air content	2–5% according to EN 1015-7
Water content	12,7 %
Chloride content	< 0,1% of cement according to SP-method 0433
Expansion	0-2 % according to SS-EN 137540:2008
Water cement ratio	0,39
Filling capacity	≤50 pores with size 20-20 mm2 according to SP method 1614
CE-marking designation code	Dop-SE 0221 according to SP Cert 0402
P-label	Cert nr. 125716 according to SP Certification 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
Water separation	None, according to SS-EN 445

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MIXING

EXM 715 should be mixed by machine for minimum 2 minutes using approx. 2,6 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 per formed using a paddle or contraflow mixer, high-speed mixer or drilling machine with beater. The temperature in ready mixed grout should be +15- +20°C

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 permit ted. For pouring in the concrete, use of formwork with a raised edge on one side is recommended. EXM 715 should be applied within 25 minutes. Casting should be be protected against de hydration.

AFTER-TREATMENT

The finished casting should be protected against dehydration. Exposed surfaces (stripped early) should be cured with water during the first 24 hours (not in freezing temperatures). When watering is finished or when the covering is removed (perman ent formwork), Weber Shrink Barrier (cms 8030) can be applied for best results. Below + 4°C do not moisten the casting.

PLEASE OBSERVE

Winter handling: Care must be taken when casting against cold concrete surfaces. Use warm concrete (+20°C) and protect if posebile finished castings against cooling.

Do not use water to aftercure when there is risk of frost.

SAFETY REGULATION

Always read the applicable safety data sheet, 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.

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

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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