

## WEBER EXM 721



- High compressive strength
- easy-flowing, expanding, frost-resistant underpinning mortar
- Compressive strength class 72/90

### ABOUT THIS PRODUCT

EXM 721 is a dry-mix product. Mix only with water to obtain a ready-to-use, expanding, frost-resistant underpinning mortar. Construction Cement (CEM I) is low alkaline and makes the product sulphate resistant. Compressive strength class C72/90.

### AREA OF USE

Used in layer thicknesses 30-300mm, especially suitable where there is a requirement for total filling and extra high strength is desired. EXM 721 is intended for use in casting and enclosing of concrete and steel structures, bridge bearings, cisterns, etc. EXM 721 is also used in other types of casting work, where striving for good waterproofness and extra high compressive strength is sought.

### CONSTRAINTS

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

### PRODUCT SPECIFICATION

Recommended layer thickness	30-300 mm
Recommended water content	max 2,2 L / 20 kg bag
Mixed volume	approx 10 L / 20 Kg
Application temperature	> 5 °C
Pot life (Operating time)	30min
Curing start	approx 4 hours
Consistency	Easy flowing
Binder	Construction cement (CEM I)
Aggregate	Natural gravel/sand 0-4mm
Compressive strength class	C72/90
Compressive strength 1 day	>25 MPa according to EN 12390-3
Compressive strength 3 days	>50 MPa according to EN 12390-3
Compressive strength 7 days	>70 MPa according to EN 12390-3
Compressive strength 28 days	>90 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber.
Shrinkage 28 days	1,0 % according to SS 13 72 15
Shrinkage 56 days	< 1,1 % according to SS 13 72 15
Exposure class	X0, XC4, XS3, XD3, XF4, XA2 according to EN 206-1
Frost resistance	Yes, according to SS 13 72 44 (salt environment)
Waterproof	Yes, according to SS 137214
Expansion	0,5-2 %
Water cement ratio	approx 0,3
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

### TO KNOW BEFORE APPLYING

EXM 721 has a smooth flow (flowing) and is suitable for pumping. Weber Machine department has custom equipment.

### PRETREATMENT

Clean the casting site well. Raw cut up casting surface provides the best adhesion. Always water the casting site. When casting, however, free water must not be present on the site.

### MIXING

EXM 721 is mixed mechanically at least 5 minutes with about 2.2 liters of water / 20 kg to give about 10 liters of

concrete mass in easy-flowing consistency. No additional additives are required. Mixing is done with a drill / whisk, flat mixer or quick mixer.

#### WORK INSTRUCTIONS

Adapt the consistency to the casting work. Ensure that air pockets are not being formed by working from one direction. Only slight vibration or pudding may occur. EXM 721 should be used within 30 minutes. The finished casting must be protected against dehydration.

#### AFTER-TREATMENT

Exposed surfaces are cured with water for the first 24 hours. When watering is completed or when coverage is removed, Weber CMS 8030 can be applied for best results.

#### PLEASE OBSERVE

At temperatures lower than +5 °C, the compressions-trenght growth stops. Castings against cold concrete surfaces must also be accounted for. Use warm concrete

and protect castings from cooling. The concrete must not be exposed to frost before 5MPa strength is achieved, normally after 1-3 days depending on temperature.

#### SAFETY REGULATION

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

#### 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.