

WEBER S 100 PLUS DRY CONCRETE C25/30-10



- Frost-resistant
- Mixed easily using a concrete mixer
- Strength classified dry concrete
- Certified EPD environmental product description
- The product is a declared item in the Supply Chain Declaration Portal (SCDP) for New Buildings generation 4.

ABOUT THIS PRODUCT

Frost-resistant R3-class dry concrete for various concrete castings with the required strength class C25/30-10. Maximum grain size 10 mm. The minimum layer thickness is 30 mm.

AREA OF USE

The product meets the requirements of SFS-EN 1504-3 class R3, repair and reinforcement of concrete structures according to method 3.2 (concreting by casting). Exposure class according SFS-EN 206 (100 years designed lifetime) and XC2, and XF1, SFS-EN 5447. The product is suitable for use in general casting work in buildings. Applications, eg casting of foundations, stairs, etc., where the required strength class is C25/30-10 at most. Alternative product: weber S 30 Cement mortar.

SUBSTRATE

The substrate must be absorbent and free of dust, cementitious adhesives and other substances that reduce

PRODUCT SPECIFICATION

Material consumption	approx. 20 kg/m ² /10 mm layer thickness
Recommended water content	2.5-3.0 l/25 kg sack. 10-12 l/100 kg.
Mixed volume	approx. 450 l/1000 kg
Pot life (Operating time)	approx. 1 h
Binder	CEM I 52.5 N
Aggregate	Natural sand 0-10 mm
Additive	Additives which improve workability and weather resistance
Adhesion strength 28 days	> 0.8 MPa (EN 1542)
Compressive strength 1 day	approx. 10 MPa (EN 12190)
Compressive strength 7 days	approx. 22 MPa (EN 12190)
Compressive strength 28 days	approx. 30 MPa (EN 12190)
Restrained shrinkage/expansion	Adhesion strength after test > 0.8 MPa (EN 12617-4)
Unrestrained shrinkage 28 days	0.6 mm/m (EN 12617-4)
Fire class	A1 (EN 13501-1)
Frost resistance	Yes (100 cycle freeze-thaw test SFS 5447). > 0.8 MPa (SFS-EN 13687-4).
Air content	approx. 10 %
Chloride content	< 0.05 % (SFS-EN 1015-17)
Density	approx. 2100 kg/m ³
Water cement ratio	0.7 (with maximum amount of water)
Equipment recommendations	Weber mortar or dry mortar station
Storage conditions	Shelf life 12 months from the date of manufacture (unopened package, dry place)
Package	25 kg sack. 500 or 1000 kg large sack.
GTIN-codes	6415910050917 (25 kg) 6415910050900 (500 kg) 6415910050894 (1000 kg)
Certifications	CE, EPD, Key Flag Symbol

adhesion. The lowest operating temperature is +5 ° C. Casting in direct sunlight or strong winds should be avoided.

CONSTRAINTS

- Not suitable for use in structures in direct contact with fire. Use refractory mortar in the above-mentioned structures (such as for casting a firebox or outdoor grill plate), in accordance with the weber VM Tuli Fireproof casting mortar instructions.

MIXING

Mix 100 kg of dry concrete with 10-12 litres of clean water. Adding too much water should not occur as it lowers

strength and increases shrinkage. The easiest way to mix the mass is with a concrete mixer. Small amounts can also be mixed by hand with a drill whisk or spade.

WORK INSTRUCTIONS

The layer thickness of the casting must be at least 30 mm. The work follows normal concrete work methods. More detailed instructions can be found in Weber's Solutions.

AFTER-TREATMENT

The casting is post-treated by wetting and preventing the evaporation of moisture from the structure, e.g. with plastic covers, for approx. 3-7 days depending on the

conditions. Aftercare is started immediately and the casting must be kept moist throughout the aftercare period. Aftercare is discontinued gradually.

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.