



weber finbetong C32/40

- Concrete that can be used for most types of casting work.
- 20-100mm
- C32/40

About this product

Grovbetong, Finbetong and Ytbetong are three dry concrete products with virtually the same properties. Dimension and layer thickness determine the use of the respective product. The products are only mixed with water to obtain a ready-to-use concrete mass. Compressive strength class C32/40.

Area of use

Finbetong is used in most casting operations in layer thicknesses of 20-100mm.

Substrate type

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

Pretreatment

When casting against or on old concrete when adhesion is required, the following must be observed.

1. Loose, porous and greasy contaminants as well as crack-filled concrete, surface area and paint are removed with concrete mills.
2. Steel-smoothed and other smooth surfaces are roughened. No later than the day before the casting, the substrate is watered, during the casting, the substrate should be slightly absorbent.
3. Waterjet-hammered concrete and scraped raw concrete surfaces does not need to be sludged. Normal concrete surfaces are slurried with REP 05 Betoheft. For very smooth and hard surfaces, epoxy priming may be required.

Mixing

Finbetong is mixed mechanically 5 minutes with about 2l water / 20 Kg, whereby about 10 l of concrete mass consistency class S1 is obtained. Mixing is most conveniently done mechanically. If the product is mixed in a more loose consistency, problems with lower strength and greater shrinkage can be obtained. The water content should be adapted to the type of casting. However, a low water content and adequate vibrating/compression of the concrete always, in quality perspectives, yields the best results.

Work instructions

Mix the concrete. Fill molds. For larger thicknesses, compression must be performed for each layer of 30cm. Use primarily vibratorrod. Make frequent drops. For horizontal castings, the use of a "vibrating girder" can improve the surface finish. Immediately protect the casting from rapid drying.

Product specification

Material consumption	approx 20 kg / m ² at 10mm layerthickness
Recommended layer thickness	20-100mm
Recommended water content	approx 2l / 20 kg bag
Mixed volume	approx 10L / 20kg
Pot life (Operating time)	approx 2 hours
Curing start	approx 4 hours
Binder	CEM II/A-V 52,5 N
Composition	C450 kg/m ³
Aggregate	Natural gravel/sand 0-4mm Dmax 6mm
Compressive strength class	C32/40
Compressive strength 1 day	>10 MPa according to EN 12390-3
Compressive strength 3 days	>25 MPa according to EN 12390-3
Compressive strength 7 days	>30 MPa according to EN 12390-3
Compressive strength 28 days	>40 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber.
Exposure class	XC4, XF3 according to EN 206-1
Frost resistance	Yes, XF3 according to SS 13 72 44 (non salt environment)
Air content	approx 5 % according to SS 13 71 11
Water content	10 %
Water cement ratio	0,51
Storage conditions	18 months on a wrapped pallet, dry storage
Package	20 kg bag 1000 kg bigbag Bulk
Global Warming Potential (GWP) Acc. EPD A1-A3	0,158 kg CO ₂ e/kg

After-treatment

Exposed surfaces is cured with water the first days. When watering is finished or when coverage is removed, Weber CMS 8030 Krympspärr is applied for the best results. Thinner concrete layers require more care, especially aftercuring, watering and preventing rapid drying.

Please observe

At a temperature lower than + 5 ° C, the strength growth stops. Also consider castings against cold concrete surfaces. Use warm concrete and protect finished castings against cooling. Castings must not be exposed to frost before the concrete has a strength equal to 5 MPa. Finbetong is not pumpable. Weber has special products for pumping.

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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