



weber grovbetong C32/40

- Concrete that can be used for most types of casting work.
- Layer thickness over 50mm
- 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.

Product attributes

- Coatable
- Fire resistance
- Normal drying time
- Durable

Application characteristics

- Hand applied

Area of use

Grovbetong is used for casting works indoors and outdoors in thicker layers than 50mm, i.e. for house grounds, terminals, stairs, support walls, etc. as well as when repairing and casting on concrete substrate.

Substrate type

- Concrete
- Block
- Mineral
- Steel
- 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

Grovbetong 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.

Product specification

Material consumption	20 kg / m ² at 10mm layer thickness
Recommended layer thickness	>50mm
Recommended water content	approx 2 l / 20kg
Mixed volume	approx 10 L / 20 kg bag
Application temperature	> 5 °C
Pot life (Operating time)	approx 2 hours
Curing start	approx 4 hours
Binder	CEM II/A-V 52,5 N
Ballast	Natural gravel/sand 0-10mm, Dmax 12mm
Composition	C 400 kg/m ³
Compressive strength class	C32/40
Compressive strength 1 day	>5 MPa according to EN 12390-3
Compressive strength 3 days	>20 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	X0 XC4 XF3 XA1 according to SS EN 206-1
Frost resistance	Yes, XF3 according to SS 13 72 44 (non salt environment)
Waterproof	Yes, according to SS 137214
Air content	approx 5%
Water content	10 %
Water cement ratio	0,50
Package	20 kg bag 1000 kg bigbag Bulk

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.

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. Grovbetong 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.