

# weber vitbetong

- Used on demand for white concrete
- Contains white cement, low alkaline
- 40MPa

## About this product

White concrete is only mixed with water to obtain a ready-to-use concrete mass. Compressive strength at least 40 MPa.

## Area of use

White concrete is used for casting works indoors and outdoors in layers from about 30mm and upwards where a white concrete is required. i.e.g. when repairing and casting on concrete surfaces, sculptures, ornaments etc.

## 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. 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 water mixed white cement (Aalborg White). For very smooth and hard surfaces, epoxy priming may be required.

## Mixing

White concrete is mixed mechanically 5 minutes with about 2.2 l water / 20 Kg, whereby about 11 l of concrete mass consistency class S4 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.

## 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.

## Product specification

|                              |  |
|------------------------------|--|
| Material consumption         | approx 20 kg / m <sup>2</sup> at 10mm layerthickness.  |
| Recommended layer thickness  | >30mm  |
| Recommended water content    | about 2,2 L / 20 kg bag  |
| Mixed volume                 | approx 11 L per 20 kg bag  |
| Application temperature      | Minimum + 5° C   |
| Pot life (Operating time)    | approx 1 hour  |
| Curing start                 | About 3 hours  |
| Binder                       | Aalborg White Cement I 52,5R   |
| Ballast                      | Dolomit crushed aggregate 0-5mm  |
| Composition                  | C 400 kg/m <sup>3</sup>  |
| Compressive strength class   | C32/40   |
| Compressive strength 1 day   | >15 MPa according to EN 12390-3.   |
| Compressive strength 3 days  | >35 MPa according to EN 12390-3.   |
| Compressive strength 7 days  | >40 according to EN 12390-3.   |
| Compressive strength 28 days | >50 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber. |
| Exposure class               | X0, XC4, XF4 according to EN 206-1   |
| Frost resistance             | Yes, according to SS 137244 1A (salt environment)  |
| Waterproof                   | Yes, according to SS 137214  |
| Air content                  | ~ 5% according SS 13 71 24   |
| Water cement ratio           | ~0,50  |
| Storage conditions           | About 12 months on a wrapped pallet, dry storage   |
| Package                      | 20 kg bag  |

## 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.

## 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.