2020-05-07

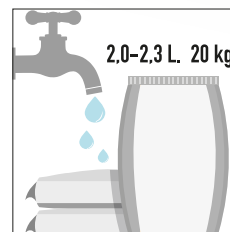# Stilleryd Grovbetong 110® can be used for most types of castings.

Area of use

Grovbetong 110® is used for castings of plinths, columns, retaining walls, stairs, walls, house foundations, floors and repairs. The concrete is used in layer thicknesses over 50 mm and provides good frost resistance.
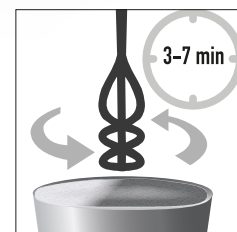
Pretreatment

The working temperature where the work is performed is between 10-25 °C for best results. Storage temperature of dry mortar and other material is regulated so that the material maintains 10 °C before use. Strength growth stops at temperatures below 5 °C and winter measures must be taken during use. Keep surfaces clean and free from dust, cement skin, grease or other contaminants that prevent adhesion. Smooth and smooth surfaces are roughened up and sludged if necessary. Must be pre-watered before casting begins. There must be no free water in the mold. Aluminum must not be cast in. Galvanized castings must be protective painted in the part to be cast in.

Mixing

Mix dry powder with 2.0–2.3 (10–11.5%) liters of water per 20 kg sack in a forced mixer or free-fall mixer for about 3–7 minutes, optionally with a drill and whisk. Mix the mortar to a homogeneous mass. If more water than recommended is used, lower strength is obtained and separation and shrinkage are risked. If light-flowing consistency is required, Repair Concrete is recommended. Ready-mixed pulp should be used within about 1 hour.
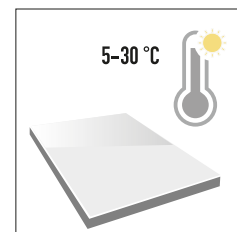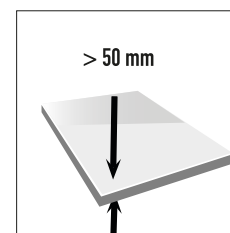

Water requirements 2,0-2,3 l /20 kg
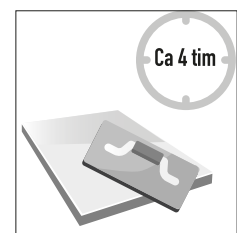
Mixing time 3-7 min
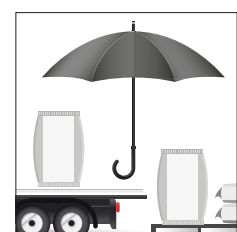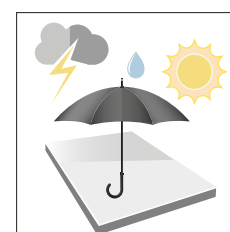
Working time ca 1 hour

Workplace temperature 5-30 °C

Thickness > 50 mm

Coverable 4 hrs

Application

The ready-mixed mortar is filled into the mold. Optimal work from a direction from which no air pockets are formed. Frugal vibration. If the mill has already begun to harden, water must not be stirred in, but the mill must be discarded.

Post-treatment and curing

Newly produced surfaces must be protected from direct solar radiation, rain and strong winds. Re-watering should always take place for at least three days in dry and hot weather and in strong winds. Use a water hose with a fine nozzle. Keep in mind that thinner concrete layers are more sensitive and require more careful finishing. When re-curing hardened material, the strength increases. The post-watered surface must be covered with plastic. Frost must not occur on the concrete surface before the strength has reached 5 MPa.

Storage time and packaging

Store in a dry environment, on an unopened plastic-coated pallet, six months from the date of production. The date of production is printed on the packaging. **Grovbetong 110®** is delivered in 20 kg bags.

Residual products and safety information

Empty bags can be burned. Any remaining, dry powder that has been stored properly can be used again. Hardened material should be disposed of as construction waste. Do not wash the product into the sewage system. The cement in the product has a reduced level of chromate. Follow regulations in each respective country.

Health, environment, safety and technical service documents

or current version of product information, contact Stilleryd AB at info@stilleryd.se. Previously undated and dated issues are no longer valid. For more information contact our sales organization.

Produktspecifikation

Binder	Portlandcement
Grain size	≤ 12 mm
Compressive strength	C32/40
Water requirement	2,0–2,3 liter/20 kg
W/C ratio	ca 0,50
Air content	ca 5%
Application time 20°C	ca 1 hrs
Begins to harden	ca 4 hrs
Thickness	> 50 mm
Frost resistance	Good
Material Consumption	ca 2 kg/m²/mm
Colour	Gray

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