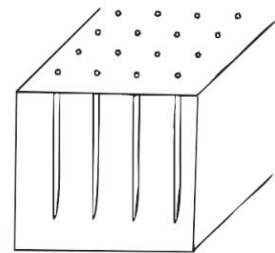


Instructions and conditions for using the CEVAMIT mixture



- First, drill holes into the solid structure (concrete, rock, masonry, etc.) with a length equal to 80% of its height, length or width. The minimum diameter of the holes is 30 mm and the maximum diameter is 105 mm (holes with a diameter of 60 mm or more must be properly plugged after pouring the mixture).



Destruction of concrete structures

We drill holes into the material to be broken up at such an angle that the CEVAMIT suspension can be poured into them. **The optimal hole diameter is 40 mm.** We drill the holes in rows. The distance between individual holes is 10 times the diameter of the hole and depends on the strength of the material being broken up. In particularly brittle materials, it works up to 40 times the diameter of the hole - this must be tested individually. When using winter CEVAMIT, it is recommended to use warm water according to the table below.

- **CEVAMIT is mixed with water in a ratio of approximately 10:3** (i.e. 3 parts water to 10 parts Cevamit) by pouring clean water into a suitable container and gradually adding CEVAMIT while stirring continuously until a homogeneous paste-like suspension is formed. After mixing, the mixture must be used within 15 minutes, otherwise it will solidify. The mixture can also be mixed in concrete mixers. There must be no water in the boreholes. If it is not possible to remove the water from the boreholes, the mixture must be poured into polyethylene tubes or Cutisin tubes so that the entire borehole space is filled.
- Within approximately one hour, the CEVAMIT mixture hardens in the borehole and begins to hydrate. During hydration, CEVAMIT expands and exerts compressive stress on



the borehole walls, which depends on the diameter of the borehole and the water content of the mixture and ranges around 40 MPa. The hydration time is 72 hours.

- The **material** breaks up within approximately **24–72 hours**. This depends on the density of the mixture used and the temperature of the material being broken up.
- Hydration at higher ambient temperatures or larger borehole diameters may cause the mixture to blow out of the borehole. **Do not lean over filled boreholes!**
- **Protective equipment** is the same as when working with unslaked lime, i.e. goggles, possibly a plexiglass shield, respirator, protective clothing, gloves.
- **CEVAMIT** is supplied in 25 kg polyethylene bags (or 5 kg buckets). We will deliver any quantity to the place of consumption. Empty containers should be handed over for collection. Disposal of unused CEVAMIT is the same as for quicklime.
- **Storage:** CEVAMIT must be stored in closed, airtight containers to prevent it from absorbing moisture from the air.

Dependence of water temperature on the temperature of the disconnected system

Temperature of the material being disconnected	Recommended temperature of water used
above 25 °C	below 10 °C
15–25 °C	20–25 °C
5–15 °C	25–40 °C
-7–5 °C	40–95 °C

Water temperature significantly affects the effectiveness of CEVAMIT, especially at temperatures ranging from

–7 to +5 °C. We therefore recommend using water at the highest possible temperature. The decisive factor is the temperature of the material being broken up at the time of filling the



mixture into the boreholes.

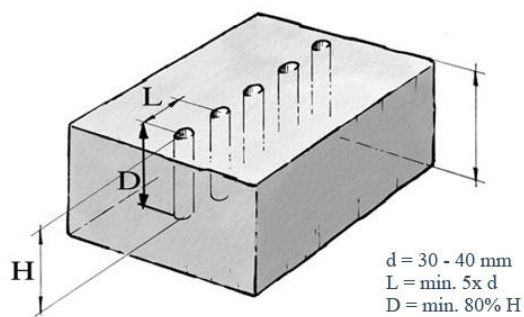
Cevamit is manufactured as:

- **Cevamit summer – CEVAMIT-L**
For use at temperatures between +10 °C and +40 °C
- **Cevamit winter – CEVAMIT-Z**
For use at temperatures from -5 °C to +10 °C

Examples of use of CEVAMIT

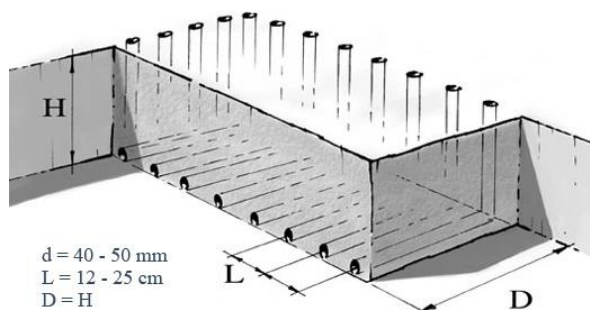


Dělení bloku pro další zpracování



Vzdálenost vrtů doporučujeme předem vyzkoušet

Oddělení bloku od masivu

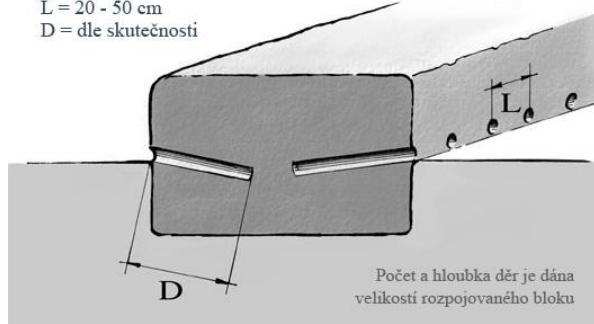


Cevamit.com
Company name: FILDA LIMITED
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Website: www.cevamit.com

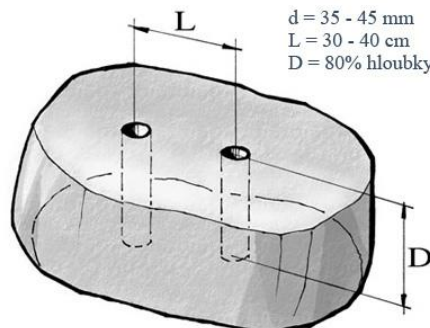
Blok přesahující terén

d = 35 - 45 mm
L = 20 - 50 cm
D = dle skutečnosti



Dělení velkého bloku

d = 35 - 45 mm
L = 30 - 40 cm
D = 80% hloubky bloku



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