

INSTRUCTIONS FOR PROCESSING NO-CEMENT CASTABLE









CHEMOBET SIL

CHEMOBET SIL is a no cement castable based on silica raw materials. It is used together with the REFRAFIX T 40 binder - after mixing both of the components, a mixture of various consistencies arises that is used for filling into damaged places in the brickwork.

Binder ratio: 10-12kg/100kg – ramming mix
 11-13kg/100kg – vibration or vibration casting mix
 13-18kg/100kg – casting mix

It is especially designed to repair damaged silica brickworks or brickworks based on acid silica raw materials with high contents of SiO₂.

Procedure:

-  Mix the dry CHEMOBET SIL (bags, 25 each) perfectly with the REFRAFIX T40 binder (PE-containers, 5-20kg each). – Mixing time ca 5 min.
-  Leave the mix for 5-10 minutes to stand. – During this time the reaction takes place and all components of the mix react with the binder. It results in "fluidification" of the mix.
-  If the mix is poorly liquid, add more REFRAFIX T40 binder.
-  Apply in damaged places.
-  Leave the mix in the repaired places to harden – for about 24 hours.
-  Dry up at 110°C to remove residual humidity. – The time is individual according to conditions (brickwork porosity, quantity of the used mix, layer thickness etc.).
-  Heat up to the process temperature. – The rate is usually given by the possible heating rate of silica building materials.
-  Can be applied also on hot surfaces.