



SILCACON Adhesive

SILCACON Adhesive is a high-quality hydraulically hardening adhesive mortar that is ready to use after mixing with water. It is a premixed, hydraulic-setting dry mortar with cement according to DIN 1164 and with high-quality fillers / additives that is mixed with clean water. It serves to bond **SILCA® 250KM** insulation boards and **SILCAHEAT® 600C** construction boards for furnaces for applying in the area of structural use on the exterior of fireplaces and tiled stoves.

Please make absolutely sure that SILCACON adhesive is never used for the treatment of SILCA® 250KM boards on the interior of the furnace (for the required fire and heat protection of the wall to be protected). Instead, our SILCADUR HFS adhesive, which is officially approved, should be applied.

SILCACON adhesive can also be used on all mineral wall materials and substrates that are suitable for plastering, such as masonry made out of construction materials with hydraulically hardening binding agents according to DIN 1164, DIN 1060, DIN 4211 as well as masonry with natural, standardised or officially approved construction materials according to DIN 1053 (for example, aerated concrete, clay brick and sand-lime brick).



SILCACON Primer HFS

SILCACON Primer HFS is offered with a newly revised formulation for surface treatment of **SILCA® 250KM**, **SILCAHEAT® 600C** and **SILCARAPID® 850CB**. The new primer reduces the capillary activity of the mentioned calcium silicate boards and strengthens the surface. This enables improved further processing with SILCACON adhesive, SILCACON putty compound, SILCACON brush-on plaster and SILCACON plaster/smoothing lime. SILCACON primer HFS is mixed with clean water in a ratio of up to 1:2 and can be applied with a brush, roller or sprayer. SILCACON primer HFS is permeable and alkali-resistant. The new formulation guarantees thermal stability on the outside of the calcium silicate surfaces. It is available in 1 litre bottles and 5 litre canisters.



SILCACON Lime plaster – natural white

SILCACON Lime plaster has a grain diameter of 0 - 1.2 mm and is applied to the surface of the boards that have been pre-treated with SILCACON and dried. For board joints or as general reinforcement, we recommend incorporating SILCATEX-SE glass mesh fabric. The lime plaster can be applied in one or two work steps. The first coat of plaster should be in the range of approx. 5 – 10 mm. The total thickness of the coats should be a maximum of 15 mm.



SILCACON Smoothing lime – natural white

SILCACON Smoothing lime can be applied either directly upon the primed SILCA® 250KM or SILCAHEAT® 600C boards or as last coat upon the lime plaster in order to smoothen the surface. The maximum thickness of the coat is 1 mm and is limited to a total thickness of 2 mm according to the test certificate issued by authorities. For details on finishing of SILCACON products, please refer to our corresponding processing instructions on the containers.



SILCADUR-HTI impregnation

SILCADUR-HTI is a high-temperature resistant impregnation tailored for application on our calcium silicate products. It serves to strengthen the surface and bind dust. The impregnation is inorganic, odour-neutral and suitable for additional surface treatment of SILCA® 250KM boards in the heating chamber. The impregnation is not suitable as primer for subsequent plastering and bonding in the construction area – SILCACON primer HFS should be applied for this purpose. The processing is very easy, SILCADUR-HTI is ready to use and is applied with a brush or sprayer.

