

Combination modules based on aluminium silicate and polycrystalline wool

SILCASTACK combination modules

SILCASTACK combination modules are an economical alternative to full-fibre modules made of **SILCAFLEX 160**, because part of the high quality fibre is replaced by **SILCAFLEX 143**.

SILCASTACK combination modules are strip modules and consist of a combination of two different fibre types. The lining thickness and bulk densities of the modules are selected in accordance with the thermal and chemical requirements to be satisfied in the system to be lined. Fibres with a classification temperature of 1,600 °C are used on the hot side and fibres with 1,430 °C in the colder area.

The combination of the two fibre types is brought about by means of an intermeshing of the individual strips with one another. In this way a reliable and durable bond is produced.

SILCASTACK combination modules are used primarily in the high temperature range at up to 1,450°C. These are the ideal solution for problems in the high temperature range and are used for example in the ceramic industry and in forging furnaces in which high demands in respect of thermal and/or chemical resistance are placed.

SILCASTACK combination modules are suitable not only for side walls but also for the doors and ceiling.

Through the use of **SILCASTACK combination modules** in these areas of application longer service lives are achieved and the susceptibility of the systems for repair work is reduced. Laying is carried out direct on to the surface of the furnace or with back-up insulation materials such as fibre blankets, boards etc.

Securing of the combination modules is carried out with our well-known heat-resistant anchoring system.

Please see data sheet "**SILCASTACK, SILCAFIX**" and the product data sheets of the particular fibre types used for further details on the chemical and physical properties.



Bogie hearth furnace 1,350 °C with SILCASTACK combination modules