

AKM-CeraModul® AKM-CerachemModul®

Material Type: Ceramic fiber blankets in modular form.

Classification Temperature

AKM-CeraModul® : 1260 °C
AKM-CerachemModul® : 1425 °C

The maximum use temperature depends on the application. Refer to our company for advice.

Description

AKM-CeraModul® and AKM-CerachemModul® are lightweight insulating materials directly installed to the industrial furnaces in block form. They are specially designed for easy and fast installation.

Modules consist of three main parts:

- Insulation part obtained by folding Cerablanket® or Cerachemblanket® produced by Thermal Ceramics in accordion-pleated form.
- Anchorage system consisting of suspension and beam placed inside the module together with its fittings.

Anchorage system is selected from stainless steels of AISI 304, AISI 310 or AISI 316 grades depending on the operation conditions and the fittings from AISI 304 grade.

- Carton/plywood and strip tape system protect the modules.

After installation of the modules to furnace construction in consecutive order, the protective cartoon/plywood and strip tapes are removed. Thus the modules do impose pressure on each other, resulting in homogenous insulation. It is recommended to lay one row of blanket 25 mm in thickness between the modules during installation.

Features

- Simple and quick to install.
- It is a versatile product and modules can be easily cut on site to suit awkward configurations.
- No drying or curing required. Available for operation immediately after installation.
- Reliable fitting system.
- Resistance to thermal shocks.
- High mechanical resistance.
- Low heat storage.
- Flexibility in application.

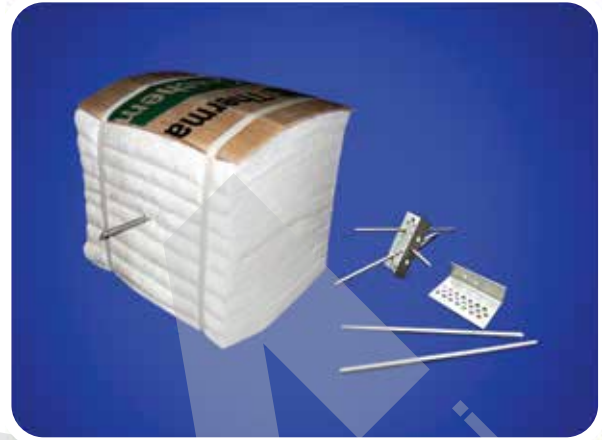
Density and Dimensions

The modules as normally supplied are in densities of 170 and 192 kg/m³ and in size of 300x300 mm (width x length). Thicknesses are given in the following table. Optionally, different density and sizes are also offered. Furthermore, angled, L or different geometrical shapes and sizes are also available for furnace corners, wall joints, chimney and gas outlet ducts. AKM also provides technical support installation of the modules in the most efficient way.

Module Thickness (mm)	100	125	150	175	200	225	250	275	300
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Packaging

Equipped with protective carton/plywood and strip tape system, AKM-CeraModul® and AKM-Cerachem Modul® are wrapped by transparent foil with their anchors in place. They are supplied to the user on protected pallets together with their fittings.



The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.