

Description

AKM – Ultrawool® 650 MX is a high performance insulation product in a blanket form with excellent thermal insulation capability. With its thermal conductivity value of 0.016 W/m.K, its performance surpasses that of the conventional insulation materials. High flexibility and optimum tensile strength of the material allow easy forming by simple cutting tools.

It prevents metal corrosion due to its hydrophobic structure and water vapour impermeability. As an option, special coating material (MX-Gelcoat) applied on the surface of the product enhances insulation performance of the material by 25%.

Features

- Very low thermal conductivity, 0.016 W/m.K
- Hydrophobic / water impermeability.
- High flexibility and optimum tensile strength.
- Anti-corrosion.
- Class A1 non-combustibility.
- Easy processing.

Dimensions

- 37500 x 1500 x 6 mm
- 25000 x 1000 x 10 mm
- It may also be produced in special sizes optionally.



Applications

- Holding furnaces and metallurgical ladles.
- Thermal processing equipment and boilers.
- Pipes and tubing networks.
- Industrial chimneys.
- Exhausts.
- Valve jacket and insulation pillow.

Main Properties (23°C / 50% Humidity)

Minimum Operating Temperature, °C	-200				
Maximum Operating Temperature, °C	650				
Density, kg/m ³	200				
Thermal Conductivity, W/m.K	4 °C	100 °C	200 °C	400 °C	600 °C
	0.016	0.019	0.023	0.025	0.035

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.