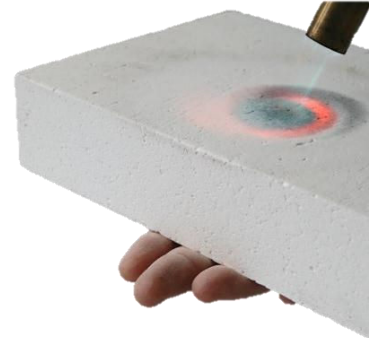


Customized for Your hot innovations



KTM-3 type of thermal insulation materials are produced from a range of refractory ceramic fibres blended with organic and inorganic binder systems. The boards exhibit good chemical stability, resisting attacks from most corrosive agents. KTM-3 boards are negatively affected by hydrogen fluoride (HF) acid, phosphorus acid, concentrated alkali. They do not contain any asbestos, while using there is no unhealthy gas secretion.

GENERAL CHARACTERISTICS

- ✓ High temperature stability;
- ✓ Low warpage;
- ✓ Low thermal conductivity;
- ✓ Excellent thickness control;
- ✓ Easy to cut by knife, cutting or grinding machines;
- ✓ Easy to fix by high temperature glue;
- ✓ Good flexural and compressive strength;
- ✓ Resistant to thermal shocks.

TYPICAL APPLICATIONS

- ✓ Furnaces (industrial, laboratory, ceramic, muffles);
- ✓ Biomass Power Plants;
- ✓ Industrials & Solid fuel boilers;
- ✓ Glass, metal industry;
- ✓ Fire protection systems;
- ✓ Hot gas duct linings.

KTM-3 BOARD TYPES

- ✓ 3-1 dried board
- ✓ 3-2-1 dried and hardened surface
- ✓ 3-2-3 dried and hardened all board
- ✓ 3-3 burned board
- ✓ 3-3-1 burned and hardened surface
- ✓ 3-3-3 burned and hardened all board

STANDARD DIMENSIONS

- ✓ 1000 x 500 x 5/6/10/20/30/40/50/60/70/80/90/100 mm
- ✓ 1240 x 690 x 5/6/10/20/30/40/50/60/70/80/90/100 mm
- ✓ We can cut to sizes you need!

Technical data	Usage temperature °C	Thermal shrinkage, %	Density (kg/m ³)	Chemical composition, %			Thermal conductivity W/ (m·K) at						Compressive strength, Mpa	Bending strength, Mpa
				SiO ₂	Al ₂ O ₃	ZrO ₂	20 °C	300 °C	500 °C	700 °C	900 °C	1000 °C		
KTM 3-1/1260	1260	2-3	220±10%	51-52	46-48	-	0,05	0,0856	0,127	0,199	0,301	0,37	1,1	0,6
KTM 3-2-3/1260	1260	2-3	250±10%	51-52	46-48	-	0,0521	0,0889	0,13	0,196	0,312	0,37	1,14	0,68
KTM 3-3/1260	1260	0,5-1	220±10%	51-52	46-48	-	0,0667	0,0874	0,118	0,166	0,309	0,376	0,74	0,35
KTM 3-1/1430	1430	3-4	300±10%	52-56	28-56	14-18	0,07	0,078	0,085	0,137	0,216	0,22	0,55	0,8
KTM 3-2-3/1430	1430	3-4	350±10%	52-56	28-56	14-18	0,109	0,135	0,153	0,18	0,205	0,23	1,25	0,6
KTM 3-3/1430	1430	1-1,5	300±10%	52-56	28-56	14-18	0,069	0,078	0,08	0,137	0,217	0,222	0,55	0,7