

# UNITHERMEX

commercial product name

**New material for inorganic nonasbestos constructionally-insulating materials resistant to permanent heat and mechanical stress.**

- ▶ **Material does not scratch glass.**
- ▶ Material meets the criteria of the company standard PN - VUSTAH 0701:2003.
- ▶ Withstanding heat stress up to 600°C, for a short term also up to 800°C.
- ▶ Temperature of permanent working environment of product 300°C, max. 450°C.
- ▶ Shape and dimensions workability – according to customer`s requirements.
- ▶ Surface finish of product – smooth.

## Properties of UNITHERMEX

Characteristics		A	C	HT
<b>Bulk weight</b> (kg.m <sup>-3</sup> )		1400±100	1550±100	1600±100
<b>Linear shrinkage</b> (% max.)	after annealing at 600°C/4hrs.	0,4	0,3	0,2
	after annealing at 800°C/4hrs.	-	-	0,4
<b>Compressive strength</b> (MPa)	initial state	36	34	28
	after annealing at 600°C/4hrs.	29	30	17
	after annealing on 800°C/4hrs.	-	-	13
<b>Flexure strength</b> (MPa)	initial state	10	17	13
	after annealing at 600°C/4hrs.	10	14	7
	after annealing at 800°C/4hrs.	-	-	7
<b>Thermal resistance</b>		600°C	600°C (800°C)	1000°C
<b>Reaction to fire class</b>		A1	A1	A1

## Realization examples

- ▶ MOSER, Karlovy Vary
- ▶ Crystalex, company Karolinka
- ▶ Glass works Kavalier, a.s., Sázava
- ▶ STV Glass, Valašské Meziříčí
- ▶ RONA,a.s., Lednické Rovné, SR

