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**ISOTOP 2000 AL**  
**Insulating plastic material WITHOUT ceramic fiber**  
**TECHNICAL DATA SHEET**

Main Component :	Alumina	
Maximum use temperature:	[°C]	1300
Melting point:	[°C]	1450
Chemical analysis:	[%]	Al <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> : 73 - 75
	[%]	SiO <sub>2</sub> : 10 - 12
	[%]	Na <sub>2</sub> O+K <sub>2</sub> O: 9 -11
Installation quantity:	[kg/m <sup>3</sup> ]	1900
Density after drying at 1000 °C:	[kg/m <sup>3</sup> ]	1450
Thermal conductivity:	[W/(m·K)]	400 [°C]: 0,23
	[W/(m·K)]	1000 [°C]: 0,34
	[W/(m·K)]	1350 [°C]: 0,34
Thermal expansion at 1000 °C:	[%]	0,6
Expansion (+) or shrink (-) after firing at:	[%]	110 [°C]: -0,1
	[%]	700 [°C]: -0,1
	[%]	1500 [°C]: -0,15
Compressive strength after firing at:	[N/mm <sup>2</sup> ]	150 [°C]: 2,45
	[N/mm <sup>2</sup> ]	700 [°C]: 2,94
	[N/mm <sup>2</sup> ]	1000 [°C]: 3,43
Application:	By hand and/or by trowel	
Drying and firing:	150 °C	

**NOTES:**

Packing: Plastic barrels of 25 kg on Euro-pallets of 825 kg

Preservation: 12 months in its own packing and far from heat sources. Storage temperature: 5÷35 °C

N.B.: DO NOT FREEZE

Main appliances:

- Repairing aluminium holding and melting furnaces
- Coating and repairing of aluminium channels
- Repairing ladles for aluminium

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Considering the quality of the raw materials, there can be slight differences in the above data which do not commit our technical department. We reserve the right to change some of the above data without previous information and according to our unobjectionable judgement.