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**ISOPLAST E AL**  
Insulating plastic material WITH ecological fiber  
TECHNICAL DATA SHEET

Main Component	Ecological fiber	
Maximum use temperature	[°C]	1250
Melting point	[°C]	> 1350
Chemical analysis	[%]	Al <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> : 4 - 5
	[%]	SiO <sub>2</sub> : 88 - 90
	[%]	MgO: 4 - 5
	[%]	Shot contents: < 7
Installation quantity	[kg/m <sup>3</sup> ]	1540
Density after drying at 1000 °C	[kg/m <sup>3</sup> ]	1000-1100
Thermal conductivity	[W/(m·K)]	400 [°C]: 0.15
	[W/(m·K)]	1000 [°C]: 0.20
	[W/(m·K)]	1150 [°C]: 0.21
Thermal expansion at 1000 °C:	[%]	0.35
Expansion (+) or shrink (-) after firing at:	[%]	400 [°C]: 0.00
	[%]	1000 [°C]: 0.00
	[%]	1250 [°C]: -1.10
Compressive strength after firing at:	[N/mm <sup>2</sup> ]	150 [°C]: 1.1
	[N/mm <sup>2</sup> ]	700 [°C]: 1.3
	[N/mm <sup>2</sup> ]	1150 [°C]: 1.6
Application:	by trowel	
Drying and firing:	150 °C	

**NOTES:**

Packing: Plastic barrels of 25 kg on Euro-pallets of 825 kg or plastic barrels of 8 kg

Preservation: 6 months in its own packing and far from heat sources. Storage temperature:  
5÷35 °C

N.B.: DO NOT FREEZE

Main appliances:

- General use for repair insulating refractory in aluminum smelter

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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.