

E-mail generale: [info@deltaphoenix.it](mailto:info@deltaphoenix.it)  
Laboratorio: [tech@deltaphoenix.it](mailto:tech@deltaphoenix.it)  
Amministrazione: [admin@deltaphoenix.it](mailto:admin@deltaphoenix.it)  
[www.deltaphoenix.it](http://www.deltaphoenix.it)

**ISOPLAST TOP G**  
**Insulating plastic material WITHOUT ceramic fibre**  
**TECHNICAL DATA SHEET**

Main Component :	Alumina
Maximum use temperature:	[°C] 1800
Melting point:	[°C] 1925
Chemical analysis:	[%] Al <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> : 86-87
	[%] SiO <sub>2</sub> : 12-13
	[%] Na <sub>2</sub> O+K <sub>2</sub> O: 0.5-1.0
Installation quantity:	[kg/m <sup>3</sup> ] 1690
Density after drying at 1000 °C:	[kg/m <sup>3</sup> ] 1030
Thermal conductivity:	[W/(m·K)] 400 [°C]: 0,29
	[W/(m·K)] 1000 [°C]: 0,46
	[W/(m·K)] 1350 [°C]: 0,81
Thermal expansion at 1000 °C:	[%] 0.96
Expansion (+) or shrink (-) after firing at:	[%] 150 [°C]: 0.0
	[%] 1000 [°C]: -0.1
	[%] 1500 [°C]: -1.5
	[%] 1700 [°C]: -2.0
Compressive strength after firing at:	[N/mm <sup>2</sup> ] 150 [°C]: 3.92
	[N/mm <sup>2</sup> ] 1000 [°C]: 5.88
	[N/mm <sup>2</sup> ] 1500 [°C]: 8.82
Application:	By hand and/or by trowel
Drying and firing:	150 [°C]

**NOTES:**

Packing: Plastic Barrels of 25 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:

E-mail generale: [info@deltaphoenix.it](mailto:info@deltaphoenix.it)  
Laboratorio: [tech@deltaphoenix.it](mailto:tech@deltaphoenix.it)  
Amministrazione: [admin@deltaphoenix.it](mailto:admin@deltaphoenix.it)  
[www.deltaphoenix.it](http://www.deltaphoenix.it)

- Coating of ladles for cast-steel and iron
- Repair of any insulate of refractory masonry
- Covering of burner lids for steel ladles heating

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.