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ISOPLAST HT
Insulating plastic material without ceramic fibre
TECHNICAL DATA SHEET

Main Component	Polycrystalline Wool
Maximum use temperature	[°C] 1700
Melting point	[°C] >1800
Chemical analysis	[%] Al ₂ O ₃ +TiO ₂ : 86
	[%] SiO ₂ : 13
	[%] Na ₂ O+K ₂ O: 1
	[%] Shot contents: None
Installation quantity	[kg/m ³] 1780 - 1880
Density after drying at 1000 °C	[kg/m ³] 1150 - 1250
Thermal conductivity	[W/(m·K)] 400 [°C]: 0,116
	[W/(m·K)] 1000 [°C]: 0,349
	[W/(m·K)] 1500 [°C]: 0,465
Thermal expansion at 1000 °C	[%] 0.6
Expansion (+) or shrink (-) after firing at:	[%] 150 [°C]: 0
	[%] 1000 [°C]: -0.1
	[%] 1500 [°C]: -1.5
Compressive strength after firing at:	[N/mm ²] 150 [°C]: 1.27
	[N/mm ²] 1000 [°C]: 2.45
	[N/mm ²] 1500 [°C]: 4.70
Application	By hand and/or by trowel
Drying and firing (thickness < 50mm)	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:

- Coating of ladles for cast-steel, iron and non-ferrous alloys.
- Coating and repairing pouring channels
- Covering of burner cone

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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.