insertec
Furnaces & Refractories

ALULOC – 60 SR

This revision supersedes and substitutes all previous ones

Revision No. 4

Technical Data Sheet

Characteristics	Low cement refractory castable, based on high quality bauxite and andalusite.
Application	Specific for the ALUMINIUM INDUSTRY. Product specially designed for the lining of holding and melting furnace vessels in contact with molten aluminium, transfer and transport ladles and, generally, any other element where low wettability by molten aluminium and high thermal shock resistance is required.
Maximum Service Temperature	1,100 ºC
Grain Size Distribution	0 – 6 mm
Type of Bonding	Modified Hydraulic.
Typical Chemical Analysis * * *On Calcined Sample*	Al_2O_3 Approx. 56.0 % SiO_2 Approx. 34.0 % Fe_2O_3 Approx. 1.0 %
Water Required for Casting & Vibrating	5 – 7 % (depending on mixing conditions: outside temperature, mixer type, etc).
Material Required (density)	2,600 Kg/m^3
Installation	Cast-vibration with needle vibrators. Do not prepare more material than the amount to be installed within 20 minutes.
Storage	In a dry place, 12 months.
Packing	In 25 kg. paper sacks, over shrunk - wrapped pallet.
Drying and Heating	Follow specific instructions for each particular case. As a general rule: Hold for 24 hours before removing mould. Dry at 100-150 ºC for 12 - 36 hours. Heat up at a rate of 30 ºC/h. up to 450 ºC. Hold for 12 hours. Heat up to 600ºC at a rate of 30ºC/h and hold for 12 hours. Finally, heat up to working temperature at 50ºC/h.

This datasheet contains average values taken from manufacturing control tests made in laboratory following specific rules for each text. They do not settle neither specifications nor guarantees on products' characteristics. This product provides a limited responsibility; ask for details.

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