THERMOFIX

INSULCON
LEADER IN HIGH TEMPERATURE SOLUTIONS

Thermofix is a ready for use glue used for sealing and fixing. Its formula containing alkaline silicates and mineral components provides a temperature resistance up to 1100°C.

Applications

Thermofix has a good adherence on the fibrous products, metals, refractories and on any kind of building material, that is why it can be used for:
The fixing of packings (ceramic fibre, glass fibres, Ecomab fibres);
The fixing of refractory products on metal parts subjected to the high temperatures;
The joining of sheets, sleeves and other refractory products.
The assembly of refractory bricks in furnaces and heating appliances.

Technical characteristics

Form	:	consistent paste, non running
Colour	:	beige
PH	:	11,5 ± 1,0
Viscosity Brookfield RVT-D	:	1700 ± 500 Pa.s (to 1 tr/min and 20°C)
Density	:	1,81 ± 0,05
Dry extract	:	72.5 ± 2 %

Maximum granulometry of the loads lower than 100 microns
Fireproof (does not release any fume)
Drying time : at 20°C: 48 hours minimum / at 100°C: 4 hours minimum
It dries slowly in air (depends considerably on thickness, temperature and moisture content) and hardens with heat

Users Guidelines

- The supports must be cleaned and must be dust and grease free;
- Apply the Thermofix on the parts that should be assembled (on the insulating materials, the glue can be applied using a trowel or a spatula);
- Position the parts that should be assembled by putting pressure on it for a few seconds to allow the glue to spread out and progress the transfer of the glue on the supports. In the case of fixing packings on inserts, deposit a cord of glue in the insert, then apply the packing to the glue and exert pressure to maintain it in place;
- Let it dry for approximately 48 hours at ambient temperature before going up gradually in temperature without putting the assembly at direct contact with the flame. The material should be cleaned with water.

Standard Packaging

30 gr/17 ml
115 gr/70 ml
500 gr/310 ml
15 kg
25 kg

Storage

At least 12 months closed in its original packing at a temperature ranging between +5°C and +30°C. A continuous prolonged storage at higher temperatures can, in certain cases, lead to deterioration of the characteristics of the product.

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TECHNICAL DATASHEET

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