TECHNO-ADHESIVE HT 1100

Technical specification

Application temperature	°C	1000
Short term stress	°C	1100
Density	kg/m^3	~1600
Consistency		pasty
Curing temperature	°C	20
Odour		odourless/none
Danger class		none
Storage		frost free
Delivery form (can) Delivery form (bucket)	kg kg	1 25
Colour		beige

TECHNO-ADHESIVE HT 1100 is a product based on inorganic substances, non-combustible and produces no smoke. **TECHNO-ADHESIVE HT 1100** can be used at temperatures of up to 1000 °C.

This adhesive is suitable for bonding the following substances:
Ceramic fibres on metal, glass and glasslike fibres on metal, ceramic fibres and glass fibres together.

General properties:
Small thermal mass, low thermal conductivity, vibration resistant, good temperature cycling stability, sound insulation.

Typical application fields:
Insulation of furnaces, refractory separating walls, heat protection.

Instructions for application:

1. The surfaces which are to be bonded must be free from grease, oil, dirt and water.
2. Apply only to dry dust-free substrates.
3. Apply the glue thinly (0.5 mm) to both surfaces which are to be bonded. Squash out any air bubbles.
4. Bring the surfaces which are to be bonded together immediately, applying constant pressure.
5. The curing time depends on the layer thickness and is approx. 24 h (at room temperature). Heat treatment improves the mechanical, thermal and chemical properties. The bonding should be heated slowly to approx. 60 – 80 °C so that the residual moisture of the glue can escape out of the bonded joint.

(1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
(2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
(3) Heat transmission calculations for this material can be requested from our Engineering department.

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