

HTR100 HIGH THERMAL RESISTANCE NON COMBUSTIBLE INORGANIC GLUE - WATER BASE

TECHNICAL DATA SHEET

DESCRIPTION: Inorganic glue, solvent-free, totally fireproof and resistant to high temperatures.

ADVANTAGE:

- Non combustible product (Euroclass A1).
- Ready to use.
- Water-based.
- Resistant to high temperature (1.200°C).
- Without smoke or gas if exposed to the direct flame.
- Fast drying.
- Free of toxic compounds, respect the environment.
- Fireproofing sealant for gap width about 3-4 mm. not subjected to mechanical stresses.

COMPOSITION: Inorganic compound, refractory filler, special additives.

FIELD OF USE:

- For bonding in the industrial and naval sectors (MED - certification).
- For internal applications.
- Compatible with a wide range of materials: metals (steel, aluminum, galvanized sheet metal), bricks, insulation material (ex: mineral wool, fiberglass, cork), refractory product, natural and synthetic fibers and other materials where at least one of the two bonding components is characterized by a minimum porosity, that contributing to a water evaporation for a perfect adhesion.

SURFACE PREPARATION:

- It's recommended to clean, if necessary degrease the surfaces to be treated in order to promote adhesion.
- Apply a layer of product according to the materials to be bonded and porosity that arise.
- The surface must be dry.

APPLICATION:

- The product is a thick paste, can be applied simply by hand, with spatula and the mechanical pumps.
- The setting time is about 30 minutes at a temperature of 20°C, but different on the type of surface, the quantity of product used and the level of porosity of the bonded materials.
- The maximum adhesion, is obtained within 24 hours.
- Any residue of glue, completely non-catalyzed, can be easily cleaned with water, as tools used.
- To reduce hardening times it's possible to treat the products with presses and hot air (ex: panel production 35-50°C).
- We advice using the product at temperatures no below +5°C.

COVERAGE:

- The quantity used depends on the type, the surface and the porosity of the materials to be bonded.
- Internal tests they started from 350 gr. to higher for square meter.

PACKAGING: Metal or plastic pails of 10, 20 and 25 kg. 300 kg. iron drum.
Store in a cool, dry place, at temperature not below +5°C.
Shelf-life at least 12 months in original sealed containers.

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TECHNICAL INFORMATION :

| MAIN CHARACTERISTICS | | |
|--|------------|--------------------------|
| Aspect | | fluid paste |
| Colour | | white ivory |
| Specific weight at 20 °C | | 1,65 - 1,75 kg/l |
| Coverage | | > 350 Gr/m ² |
| Solid component | | 68% |
| Viscosity - Brookfield a 20°C; viscometer model Rvt+: impeller Rvt 07, velocity 10 Rpm | | 180 - 220 Mpas |
| Curing at 20°C | | 30 min. ca * |
| Storage | | 12 months ** |
| Reaction to fire | EN 13501-1 | non-combustible Class A1 |

* According to the quantity of product used and the porosity of the glue surfaces. ** Shelf-life at least 12 months in original sealed containers.

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