

TECHNO-ADHESIVE HTC

Technical specification

Application temperature	°C	1320
Short term stress	°C	1800
Thermal conductivity	W/mK	0.69
Consistency		pasty
Thermal expansion coefficient		23.4×10^{-6}
Viscosity	cps	1400
Compression strength	N/cm ²	350
Bending strength	N/cm ²	51
Specific electrical resistance	Ω/cm	10 ⁸
Water take-up	%	max. 1
Storage		frost free
Delivery form (powder in can) Other delivery forms on inquiry	g	100, 250, 1000
Colour		white-grey

TECHNO-ADHESIVE HTC is a quick-drying adhesive with accelerated curing based on zirconium (ZrO₂). For use with metal and ceramic components. For bedding heating elements, insulating thermoelements and coating windings.

Mixing ratio:

100 parts powder + 35 – 45 parts distilled water

- (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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