

# TECHNO-ADHESIVE HTK

## Technical specification

Application temperature	°C	1350
Short term stress	°C	1426
Density	kg/m <sup>3</sup>	2560
Consistency		powder
Compressional strength	N/mm <sup>2</sup>	21
Linear heat dilatation		4.3 x 10 <sup>-6</sup>
Bending strength	N/mm <sup>2</sup>	6,3
Tensile strength	N/mm <sup>2</sup>	2,8
Thermal conductivity	W/mK	0.97 – 1.19
Dielectric strength (at 800 °C)	V/mm	490 – 980
Shrinkage	%	0
Delivery form (can) Other delivery forms on inquiry	g	100, 250, 1000
Colour		beige

**TECHNO-ADHESIVE HTK** is a product which has high thermal shock stability for embedding heating elements, insulating thermocouples, coating resistors and windings, and for bonding ceramic parts. It can also be used for bonding metals and ceramics.

### Stability data:

Water vapour . . . . . conditional  
Acids . . . . . no  
Alkalis . . . . . no  
Oils . . . . . yes

### Instructions for application:

Stir vigorously for approx. 5 minutes, preferably using clean water containing no iron and little lime, if possible distilled water. Apply the adhesive mass to a clean grease-free surface.

Processing time: 30 minutes  
Setting time: 24 hours  
Possible storage time: 6 month

- (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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