

TECHNO-ADHESIVE HTG

Technical specification

Application temperature	°C	1400
Short term stress	°C	1600
Density	kg/m ³	2300
Consistency		powder
Linear heat dilatation		2.6 x 10 ⁻⁶
Viscosity	cps	1100
Compressional strength	N/cm ²	3200
Bending strength	N/cm ²	300
Specific electrical resistance	Ω/cm	10 ¹¹
Water take-up	%	max. 1
Storage		frost free
Delivery form (dose) Other delivery forms on inquiry	g	100, 250, 1000
Colour		pastel

The **TECHNO-ADHESIVE HTG** is a product based on magnesium oxide (MgO) with low thermal expansion.

The **TECHNO-ADHESIVE HTG** is particularly suitable for bonding steatite, porcelain, ceramics and metals.

The bonded joint is resistant to oxidising as well as to reducing atmospheres.

Typical application fields:

- » Bonding of ceramic materials
- » Bonding of graphite with metals
- » Bonding of ceramic materials with metals

- (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.

The information contained in this publication serves only for purposes of clarification, and is not intended to form the basis of contractual obligations.

Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material form Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

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