AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® Everseal T N - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

Aodisi Fire Technology (Langfang) Co., Ltd.

销售及选型联系 / Sales & product enquiries

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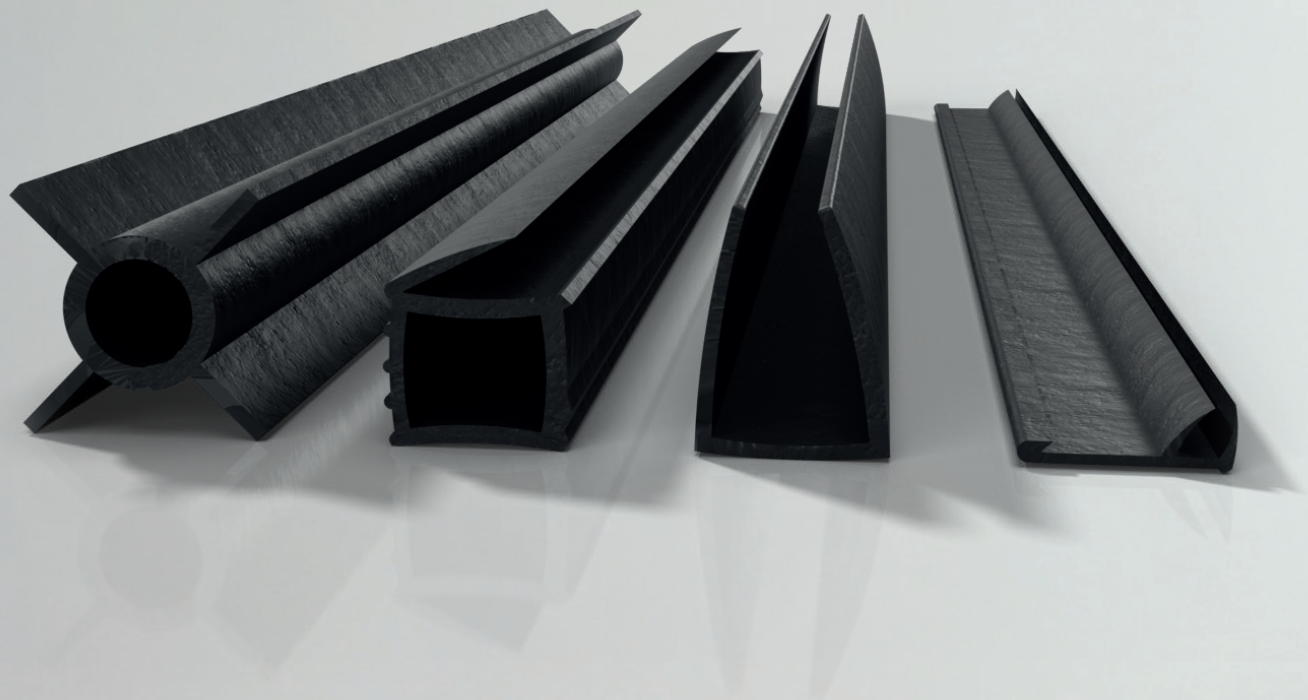
www.gmfireproof.com

以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

Technical Product Data Sheet

KERAFIX®
Everseal T N



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Tech.Rev.: 1.1
Ling. Rev.: 1.1

Product description

KERAFIX® Everseal T N is a flexible, intumescent profile gasket material.

Based on exfoliated graphite, it reacts when exposed to heat and forms a pressure-resistant foam mass.
It is an outstanding solution for use in glazing systems.

KERAFIX® Everseal T N is highly adaptable, which makes it easy to integrate into different building elements and geometries. It is available in different versions and dimensions for meeting specific requirements. The material does not just provide effective protection against fire and smoke; it is also resistant to the influence of humidity, which makes it more reliable and durable.

Reaction to fire

- Class E (DIN EN 13501-1)

Properties

- Intumescent
- Insensitive to moisture
- Free from halogens and substances that are hazardous to health
- Low weight, easy to handle and install
- Durable and resistant to ageing
- Has a wide range of uses
- Pressureless expansion

Fields of application

- Fire protection doors made from wood, steel or aluminium
- Glazing
- Facades
- Safety storage cabinets
- Safes
- Smoke protection doors

Technical data

Composition	Expandable graphite and TPE-based foaming material that is free from halogens, asbestos and conflict minerals. Compliant with REACH, RoHS and VOC and UV-resistant
Material structure	Soft and flexible profile
Volatile components (VOC) [g/l]	None
Thermal conductivity [W/(m×K)]	0.166
Shore A hardness	81.0
Bulk density [kg/m³]	980 (±10 %)
Start of reaction [°C]	180
Expansion rate [x times]	3 – 7
Reference expansion rate	450 °C – 30 min. – without superimposed load
Intumescent layer	Solid, stable material
Direction of expansion	Three-dimensional

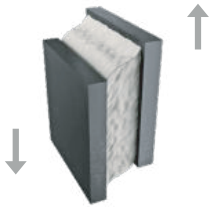
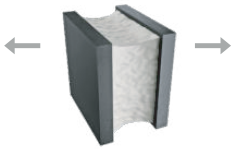
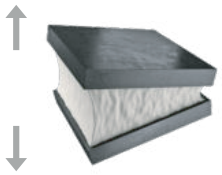
Design variants

T N variant: Fully foaming variant based on expanded graphite and TPE.

T CN: co-extruded variant based on expandable graphite with a non-foaming component (e.g., TPE-based only)

Processing information

1. Surface preparation:
   - The surface to be glued or contacted must be clean, dry and free from dirt such as dust, oil and grease.
   - Thorough cleaning, particularly when surfaces are smooth or contaminated, is important for ensuring optimum adhesion.
2. Application temperature:
   - Ideally, the product should be applied at temperatures between +5 °C and +35 °C to ensure optimum adhesion and the appropriate foaming behaviour in the event of fire.
3. Application:
   - When using self-adhesive variants (such as the SK variant), remove the protective film just before installation and press the material firmly onto the surface to ensure even adhesion.
   - Position the material precisely, as subsequent adjustments may negatively affect adhesion.

Shear force	Tensile force	Peel force	Splitting force
			
Strain less critical over whole areas		Prevent such strain through design	

Delivery forms

Standard lengths [mm]	1000, 2000, 3000 (special lengths available upon request)
Standard widths [mm]	The profile gaskets are produced individually upon request.

