AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® Everseal NG-N Serie - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

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销售及选型联系 / Sales & product enquiries

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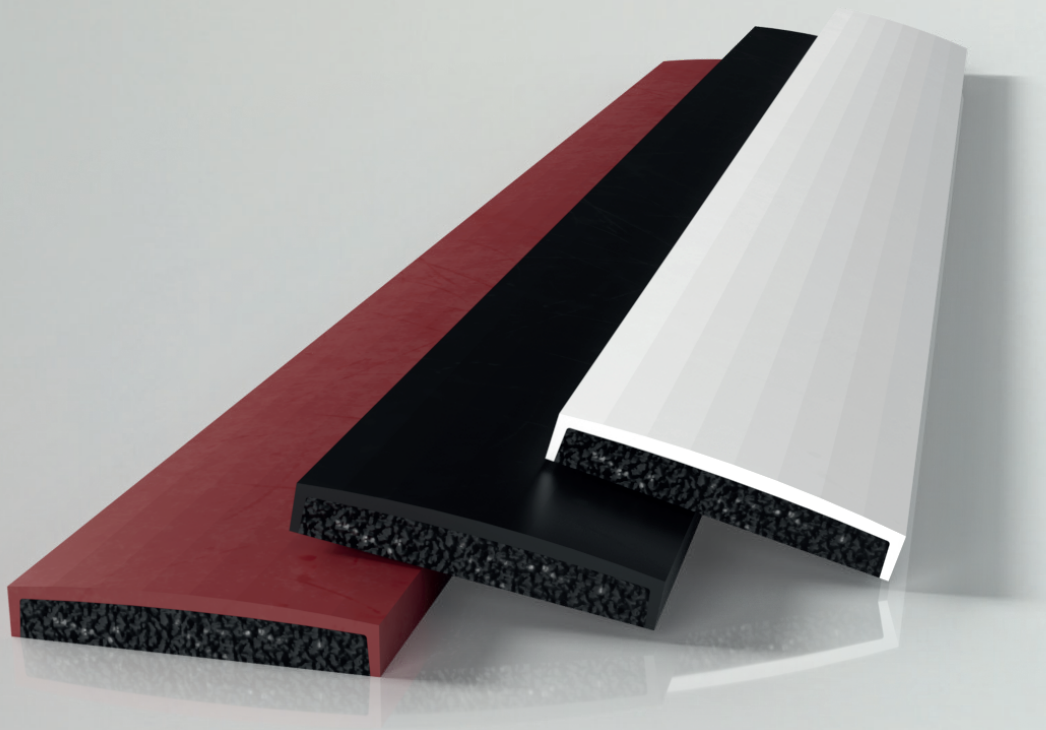
www.gmfireproof.com

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 NG-N Series



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

Product description

The KERAFIX® Everseal NG-N series consists of expandable graphite-based, intumescent profile seals that expand when exposed to high temperatures and reliably seal joints in the event of fire. The main differences between the variants relate to their expansion rate, expansion pressure and performance level.

KERAFIX® Everseal NG-N L (low):
This variant offers an expansion rate of 7 to 16 and an expansion pressure of 0.209 to 0.671 N/mm².
It is ideal for applications with lower-level requirements.

KERAFIX® Everseal NG-N P (power):
The Power version offers maximum performance with an expansion rate of 12 to 23 and an expansion pressure of 0.50 to 0.90 N/mm². It is designed for highly demanding applications.

Reaction to fire

- Class E (DIN EN 13501-1)

Properties

- Intumescent material for reliable fire protection
- Highly flexible and adaptable
- Easy to install and maintain
- Suitable for a wide range of applications in doors and windows

Fields of application

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

Features

The KERAFIX® Everseal NG-N series is largely insensitive to moisture.

Technical data

Verification	ETA-17/0978: 18 December 2017
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	Flexible profile
Reaction to fire	Class E (DIN EN 13501-1)
Volatile components (VOC) [g/l]	None
Thermal conductivity [W/(m×K)]	0.255 (NG-N L)
Thermal conductivity reference temp. [°C]	10
Shore A hardness	83.4
Bulk density [kg/m³]	1050 (±10 %)
Start of reaction [°C]	175
Expansion rate [x times]	NG-N L: 7 – 16 NG-N P: 12 – 23
Reference expansion rate	450 °C – 30 min. – without superimposed load
Intumescent layer	Solid, stable material
Expansion pressure [N/mm²]	NG-N L: 0.209 – 0.671 NG-N P: 0.50 – 0.90
Reference expansion pressure	300 °C – method 4

Design variants

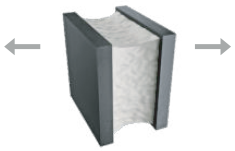
The profile seals are manufactured individually upon request.

Processing information

1. Surface preparation:
   - The surface to be adhered to or contacted should be clean, dry and free from dust, oil and grease.
   - Very sticky dirt may have to be cleaned with a solvent or degreasing agent to ensure the optimal bonding conditions.
2. Application temperature:
   - Ideally, the material should be applied at ambient temperatures between +5 °C and +35 °C. Extremely low or high temperatures may negatively affect the processing properties and subsequent performance of the product.
3. Applying the product:
   - KERAFIX® Everseal NG-N can be applied as a profile gasket in joints or recesses and on component surfaces. When using self-adhesive variants, ensure that the protective film is only removed shortly before fitting.
   - Press firmly on the material to ensure a good bond. When using the self-adhesive variants, pressing the product onto the surface is particularly important for ensuring consistent adhesion.
4. Positioning:
   - Position the profile gasket or strips accurately and avoid readjusting as this may affect adhesion. For applications that require a high-precision fit, precise measurements should be taken beforehand.

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 are available upon request) The profile gaskets are produced individually upon request.