AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

Paper SUPERWOOL - 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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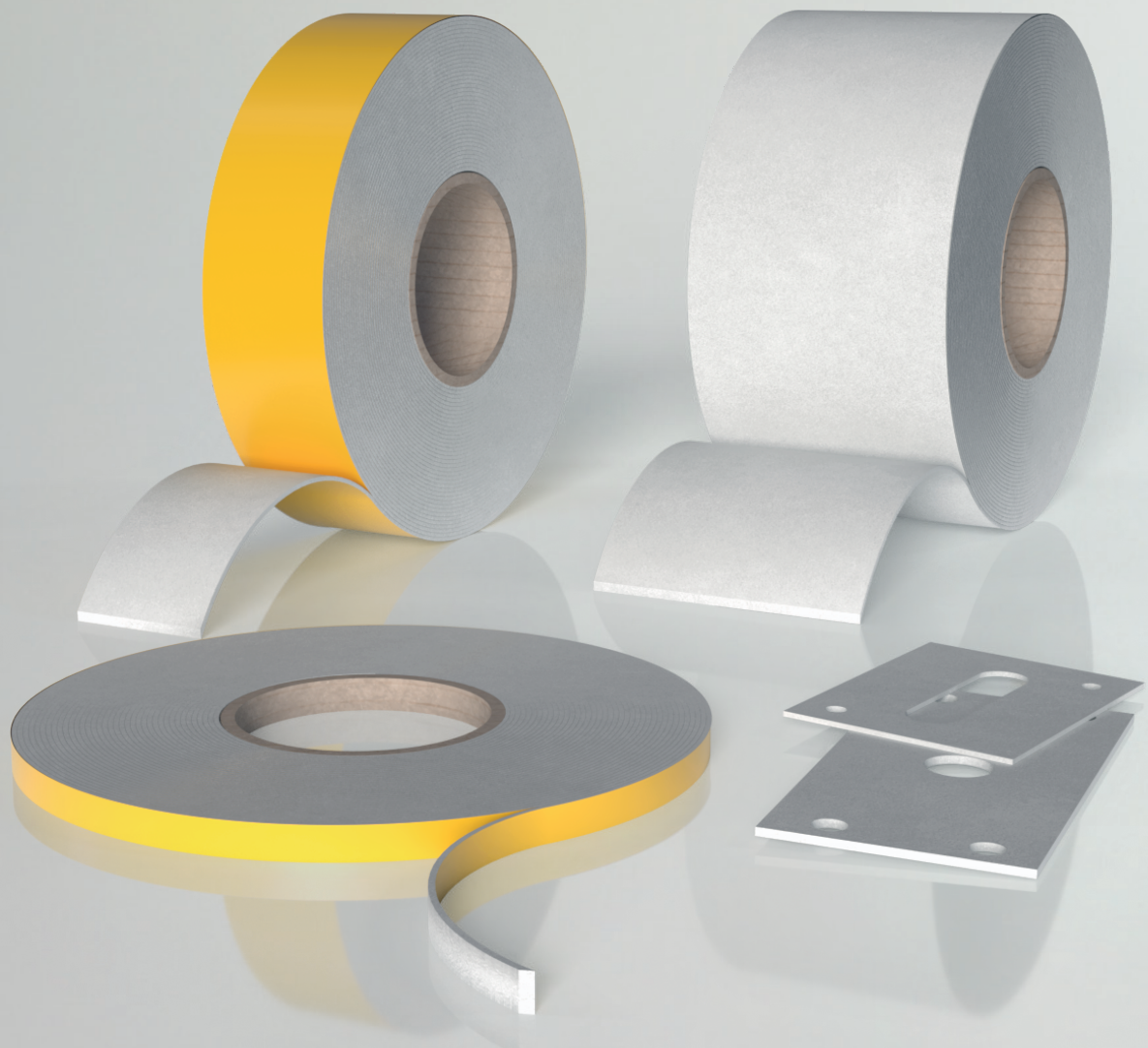
www.gmfireproof.com

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

Paper SUPERWOOL®



kuhnodice

Tech. Rev.: 1.0
Ling. Rev.: 1.0

Product description

SUPERWOOL® Paper is a high-performance, flexible and heat-resistant insulating material designed specially for applications that require both thermal insulation and fire protection. Produced from soluble mineral fibres, it offers a safe and environmentally friendly alternative to traditional ceramic fibres, as it is asbestos-free and does not contain irritant fibres. The material is extremely lightweight and easy to handle and can be cut, punched or bent into a variety of shapes to meet complex requirements.

Reaction to fire

- Class B2 (DIN 4102-1)
- Classification EN 45545-2 (railway) HL3 for requirements R1 and R7

Properties

- Low-weight and flexible
- Good thermal insulation properties and low thermal conductivity
- High mechanical strength and resistance to tearing
- Contact does not cause irritation
- Asbestos-free and safe to handle
- Even thickness on both sides, enabling uniform processing

Fields of application

- Sealing and protection for fire-resistant doors and ventilation flaps
- Protecting lock cases, door locks and panic door locking systems
- Insulating and sealing household and heating appliances
- Thermal protection and soundproofing in applications such as lift doors or in transport and shipping
- Non-combustible substrate for seals for fire-resistant glazing elements
- Used to improve thermal insulation in fire-resistant constructions

Features

Lightweight, asbestos-free, good mechanical strength, non-irritating with contact.

Technical data

Verification	abP P-3074/3439-MPA-BS: 15 March 2021
Composition	Insulating construction material based on a calcium-magnesium-silicate chemical mix
Material structure	Light, flexible and compressible roll material
Volatile components	Binding agent volatilises without toxic emissions
Temperature stability [°C]	1200
Thermal conductivity [W/(m·K)]	200 °C: 0.05 400 °C: 0.07 600 °C: 0.11 800 °C: 0.16 1000 °C: 0.23
Tensile strength [N/mm²]	> 0.65
Bulk density [kg/m³]	230
Shrinkage once ignited	12%
Linear shrinkage	< 2% (1000 °C)
Surface finish	Smooth surface
Storage	Store in a dry and well ventilated location at room temperature (20 °C ±5 °C).
Shelf life (SA version)	12 months in its original packaging when stored properly

Design variants

SUPERWOOL® available with aluminium or mica coating or as self-adhesive version

Colour variants

White, black

Processing information

1. Surface preparation:
   - The surface must be clean, dry and free from grease and dust to ensure maximum adhesion.
     For applications that require adhesion, non-combustible PYROCOL glues or double-sided adhesive tape are ideal.
2. Installation and fixing:
   - The material can be cut, bent and punched.
3. Safety notes:
   - The usual safety provisions for the workplace must be complied with. The material does not produce irritant dust and is free from asbestos, but suitable extraction devices should still be used during intensive cutting and punching work.

Delivery forms: SUPERWOOL®

Standard lengths	5 to 40 m, depending on thickness
Standard widths	15 mm to 1250 mm
Standard thicknesses	1 to 9 mm

Thickness	Roll length [m]	Width
1	40	From 15 mm to 1250 mm (cutting tolerance: ±0.5 mm)
2	20	
3	15	
4	10	
5	10	
6	10	
8	5	
9	5	

Tolerances [mm]

All cuts (length × width) are produced in accordance with the general tolerance DIN ISO 2768-1-c.

All moulded parts and punched parts are produced in accordance with the general tolerance DIN 7715-5-p2.