AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

ODIWOOL SCHWARZ - Technical Data Sheet-en

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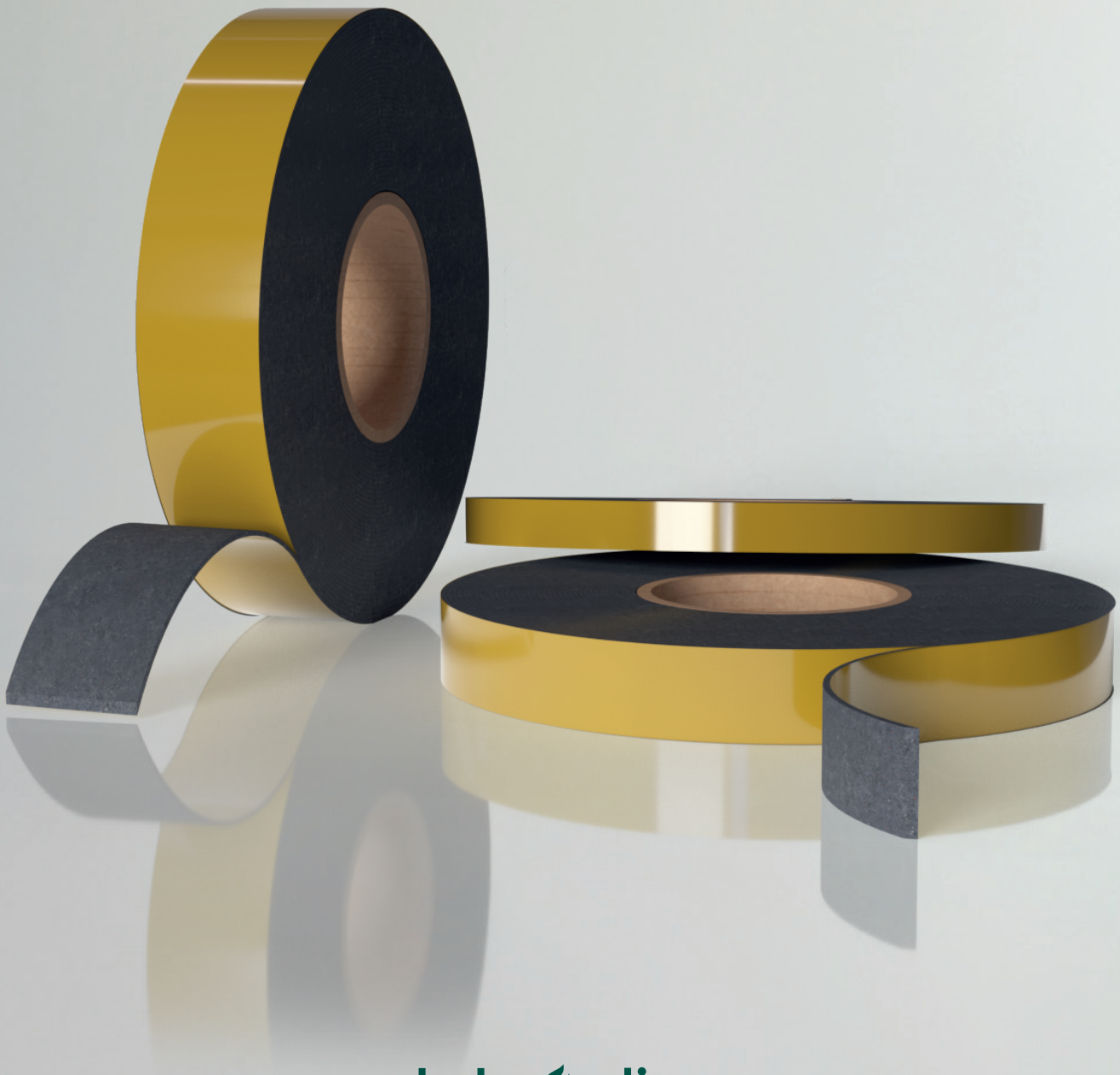
www.gmfireproof.com

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

ODIWOOL BLACK



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

Product description

ODIWOOL BLACK is a highly flexible and non-combustible heat insulation product made from soluble, amorphous mineral wool reinforced with minimal amounts of organic binding agent. It is low-weight and has high stability at temperatures of up to 1200 °C, as well as outstanding thermal and mechanical properties. The smooth surfaces on both sides make processing easier, while the product can also be cut, bent or punched with ease. It has low thermal conductivity and is non-combustible, which makes it an excellent solution for applications in fireproof constructions and insulation and as sealing material in fire-rated glazing systems. ODIWOOL BLACK does not contain any substances that are harmful to health such as asbestos or ceramic fibres. For easy installation, it comes available with glues such as PYROCOL or double-sided adhesive tape.

Properties

- Non-combustible and thermally stable up to 1200 °C
- Highly resistant to tearing with high mechanical stability
- Excellent thermal insulation capabilities
- Easy to work
- Free from asbestos and thus offers an alternative to building materials containing ceramic fibres

Fields of application

- Fire-rated glazing systems and fire-resistant doors
- Seals and protection in fire-resistant devices and building components
- Insulation of household and heating appliances
- Thermal protection for lift doors
- Protecting locks, door closers and panic door locking systems
- Joint sealing and thermal barriers in fire protection systems

Technical data

Composition	Soluble, amorphous, man-made mineral wool reinforced with a minimal proportion of organic binding agents
Material structure	Flexible, tear-resistant fibre matrix with low thickness and high stability
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 (EN 1094-1)
Bulk density [kg/m³]	230
Linear shrinkage	< 2% (at 1100 °C)
Storage	Dry and well ventilated location
Shelf life (SA variant)	Can be stored for six to twelve months from the delivery date

Design variants

Adhesive version (SA): ODIWOOL BLACK can be supplied with a double-sided adhesive tape for easier installation.

Colour variants

Anthracite grey

Processing information

1. Cutting and shaping:
   - The material can easily be cut and shaped using standard tools such as shears, knives or punches.
2. Adhesion:
   - Use suitable non-combustible glues such as PYROCOL or double-sided adhesive tapes to affix it.
3. Installation:
   - Make sure that the surfaces are clean, dry and free from grease or dust to ensure optimal adhesion.
4. Adaptation:
   - The material can be adapted to complex geometries by folding or punching it.
5. Safety note:
   - Follow the usual occupational health and safety measures such as wearing gloves and dust masks.

Contents of a package/set

20 m roll	2 mm thickness
15 m roll	3 mm thickness
10 m roll	4, 5, 6 mm thickness

ODIWOOL BLACK is delivered in rolls.

Delivery forms

Standard widths [mm]	From 15 to 1000
Standard thicknesses [mm]	2 to 6

Tolerances [mm]

Width: ±0.5

