AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FIBRODICE MS Plus - 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

19931333348

492048031@qq.com

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

FIBRODICE MS Plus



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

Product description

FIBRODICE MS Plus is a multi-layered insulating material tailored to the customer's requirements that is made from FIBRODICE MS and fireproof adhesives. The product offers the same non-combustible and water-resistant properties as FIBRODICE MS, but with greater suitability as a supporting structure for additional insulation materials such as mineral or rock wool. This enables even more effective thermal insulation and significantly improved sound insulation. FIBRODICE MS Plus is particularly robust and is suitable for use in fire protection applications that are subject to high strain. Its smooth surfaces makes it easy to further process by applying paint, wallpaper or laminate.

Reaction to fire

- Class A1 (DIN EN 13501-1)

Properties

- Non-combustible
- Excellent substrate for additional insulating materials such as mineral wool
- Improved sound insulation in combination with other materials
- Resistant to water, mould and insect infestation
- Easy further processing with surface treatments (paints, laminate)
- Environmentally friendly, free from asbestos and formaldehyde

Fields of application

- Fire protection in doors with additional thermal insulation
- Used in multi-layered fire protection systems
- Sound insulation in fire-resistant partition walls
- Protection of metal structures with high insulation requirements
- Thermal break in building constructions
- Used as a substrate for additional insulating materials in fire protection systems

Features

- Outstanding thermal insulation
- Mechanical stability

Technical data

Composition	Magnesium silicate boards bonded with fireproof adhesive
Material structure	Fibre board material
Reaction to fire	Class A1 (DIN EN 13501-1)
Emission classification [EN ISO 16000 - 6/9, EN 717 - 1]	M1
Bulk density [kg/m³]	1050 (±100)
Water absorption	32%
Surface finish	Smooth
Storage	Dry and well ventilated location

Processing information

1. Surface preparation:
   - The surfaces must be clean and dry to ensure optimal adhesion. FIBRODICE MS Plus boards can be cut to specific sizes for precise integration into your construction.
2. Processing and adaptation:
   - FIBRODICE MS Plus is a multi-layered material based on magnesium silicate that can be cut and worked into custom-sized strips or sections.
   - The material is easy to saw and drill, which means it can easily be added to fire-resistant frame structures such as aluminium or steel door and window profiles.
3. Installation and fixing:
   - The boards can be affixed mechanically or with adhesive and offer a high level of fire protection thanks to their endothermic properties. Note that FIBRODICE MS Plus may have a corrosive effect on metal components such as aluminium and steel in environments with high humidity or in the case of contact with water.
4. Safety and hygiene measures:
   - The product is made without the addition of asbestos and therefore does not pose a risk to health or the environment.
     During intensive processing such as cutting or drilling, however, a dust extraction system should be used to keep the concentration of dust to a minimum.

Delivery forms

Standard lengths [mm]	1200
Standard widths [mm]	20
Standard thicknesses [mm]	6, 9, 12, 15, 20

Tolerances [mm]

Width: ±0.5 mm

Length: ±0.5 mm

Note

FIBRODICE MS Plus may corrode metals such as steel and aluminium if they come into contact with water or in high humidity.

