The incorporation of insulation material from mineral wool makes it possible to build healthy and comfortable living spaces as its properties improve the microclimate in a room and, at the same time, ensure excellent thermal, sound, and fire protection. Products are tested according to Directives 97/69/EC, for which they were granted the »Test Certificate of Bio-solubility«, demonstrating their health safety. Knauf Insulation products are also ecologically oriented, as they reduce the consumption of thermal energy sources, thereby reducing environmental pollution. It is also of great importance that the production procedure of mineral wool is carried out in a closed circuit, i.e. production process waste is recycled in briquette manufacturing and then returned back to the production line.

As part of our policy of continuous product development, we reserve the right to revise specifications without notice. The information given in the brochure is correct to the best of our knowledge. It provides general information only and users should verify whether the products described are suitable for their specific requirements.

KNAUF INSULATION DRS BOARD (DRS B)
Boards for multipurpose, multifunctional, acoustic and thermal insulation doors

DESCRIPTION
KNAUF INSULATION DRS B are rock mineral wool boards with horizontally oriented fibres. High-density boards (up to 250 kg/m³) can also be produced. Due to its exceptional fire, thermal, and sound insulation properties and precise thickness dimension tolerances, the board can also be used as a core in multifunctional wood constructed doors.

PREFERENCES
- Good fire resistance
- Material melting point above 1,000°C
- Non-combustibility
- Dimensional stability
- Precise thickness dimension tolerances
- Various combinations of insulation characteristics (board, fire, thermal, climate insulated) possible

TECHNICAL PROPERTIES
- Reaction to fire: Euroclass A1 (EN 13501)
- Fire resistance: EI 30 – 60 min
- Product customized according to needs of the customer
- Good thermal and sound insulation properties

APPLICATION
Insulation for:
- Multipurpose doors
- Acoustic doors
- Thermal insulation doors
- Multipurpose wooden constructed doors

STANDARD DIMENSIONS
- Density: 50 – 250 kg/m³
- Length, width, thickness & die-cutting: customized according to customer requirements

KNAUF INSULATION, d.o.o., Škofja Loka
Trata 32, 4220 Škofja Loka, Slovenia
Phone: +386 (0)4 5114 000
Fax: +386 (0)4 5114 179
E-mail: oem@knaufinsulation.com

www.oem.knaufinsulation.com

Door Insulation
Knauf Insulation is a leading European supplier of rock mineral wool core to the producers of metal fire protection doors. Doors with rock mineral wool insulation offer improved fire protection performance. Rock mineral wool has a high melting temperature (above 1,000°C), is non-combustible [Euroclass A1] and is lighter than other materials with comparable fire and mechanical properties. In addition, doors with rock mineral wool core have excellent sound and thermal insulation properties.

We build partnerships through high quality products, excellent service and support to your development projects.

With modifications in our production process we are able to supply a full range of products for all classes of fire protection doors (European Class EI30 – EI120). On request, the boards may be further processed (ensuring minimum dimensional deviations, surface flatness, cut-specified shape).

KNAUF INSULATION DRS FIRE BOARD (DRS FB)

Fire-resistant boards

DESCRIPTION

KNAUF INSULATION DRS FB are highly-resistant rock mineral wool boards, whose main purpose is to provide fire and thermal protection for constructions in contact with fire. Also, they provide good acoustical damping and barrier sound insulation properties, being specified by Euroclass standards:

- Class EI30
- Class EI60

APPLICATION

The appropriate classification is determined by industrial standards that require high temperatures tolerance: fire-resistant doors which are specified by Euroclass standards:

- Class EI30
- Class EI60

TECHNICAL PROPERTIES

- Reaction to fire: Euroclass A1 (EI 13501)
- Fire resistance: EI 30 – 60 min
- Product certified according to needs of the customer.

STANDARD DIMENSIONS

- Density: 80 – 190 kg/m³
- Length, width, thickness: customized according to customer requirements
- AS Quality

KNAUF INSULATION DRS CRIMP FIRE BOARD (DRS CFR)

Fire-resistant boards with highly compressed fibres

DESCRIPTION

KNAUF INSULATION DRS CFR are highly-resistant rock mineral wool boards with highly compressed fibres, whose main purpose is to provide fire and thermal protection for constructions in contact with fire. The boards are bound with a minimum quantity of binder, ensuring the boards' preservation at high temperatures (above 1,000°C) without dimensional deviations, surface grinding, dust removal, possibility of cutting out specified shape).

APPLICATION

Because of the boards' properties, they are consistent for including industrial elements with excellent fire and high temperature tolerance: fire-resistant doors which are specified by the European standards on:

- Class EI30

TECHNICAL PROPERTIES

- Reaction to fire: Euroclass A1 (EI 13501)
- Fire resistance: EI 30 – 60 min
- Product certified according to needs of the customer.

STANDARD DIMENSIONS

- Density: 80 – 190 kg/m³
- Length, width, thickness: customized according to customer requirements
- AS Quality

KNAUF INSULATION DRS SANDWICH FIRE BOARD (DRS SFB)

Fire-resistant sandwich boards

DESCRIPTION

KNAUF INSULATION DRS SFB is a board which may also be called a “sandwich element” or bonded panel, depending on its composition. This compound is a fire-resistant boar made of rock mineral wool and plaster board. The sandwich core is made with an inorganic adhesive based in water glass, which offers additional fire protection. This method of production makes it possible to produce DRS SFB elements with different layers, dimensions and compositions of different materials. Customized products can be produced within 1½ - 2½ weeks.

APPLICATION

Sandwich fire boards are particularly convenient for fire-screen and industrial sliding doors, where fire protection requirements standards are high:

- Class EI30
- Class EI60
- Class EI120

TECHNICAL PROPERTIES

- Reaction to fire: Euroclass A1 (EI 13501)
- Fire resistance: EI 30 – 120 min
- Product certified according to needs of the customer
- Excellent mechanical properties
- Dimensional stability

STANDARD DIMENSIONS

- Density: 100 – 190 kg/m³
- Length, width and thickness: customized according to customer requirements
- AS Quality