HEALTH AND ENVIRONMENTAL PROTECTION

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 Fire Board 2D & 3D

**KNAUF INSULATION DRS FIRE BOARD 2D & 3D**

Superior fire-resistance performance and more efficient door production ... all-in-one for door producers

Fire-resistant doors demand the highest performance insulation cores, especially on fire break-through most sensitive upper part of the doors. Knauf Insulation, a leading European supplier of rock mineral wool for metal fire protection doors, has developed a new, state of the art patented product: insulation cores featuring innovative density distribution within the same board, delivering supreme fire-resistance performance in the most critical areas. These unique cores not only offer exceptional fire performance but contribute to your production efficiency as well.

A new generation of rock mineral wool cores for fire-doors is here: Knauf Insulation DRS FIRE BOARD 2D and Knauf Insulation DRS FIRE BOARD 3D.

**BENEFITS FOR DOOR PRODUCERS**

**FEATURES – KNAUF INSULATION DRS FIRE BOARD 2D & 3D**

- Unique and patented technological process
- Higher density of insulation core on fire-sensitive parts of doors
- Lighter door insulation core for the same fire-resistance performance
- Elimination of the fire-resistant additives in door production: savings on door-production costs
- Custom-designed boards according to your specifications and requirements
- Rock mineral wool core for excellent fire protection
- Excellent thermal conductivity and acoustic insulation
- Excellent mechanical properties
- Environmental compliance: non-hazardous to personal health and environment
- Performance within norms of upcoming fire & smoke standards
- Custom Insulation OEM Solutions as your business partner

**YOUR BENEFITS**

- State of the art insulation cores in your products
- Supreme fire resistance
- Door production process can run continuously, faster door production time
- Door cores perfectly suitable for production processes
- Doors classified in EI30 and EI60 fire protection doors (European Standard EN 13501)
- Excellent thermal door insulation and sound absorption provides maximum comfort and energy savings for your end users
- Structural stability
- Doors can be in line with future technology trends profiling sustainable materials for energy savings
- Doors core compliance with European standards
- Availability

Knauf Insulation DRS FIRE BOARD 2D & 3D are ideal as a supreme fire-resistant cores in EI30 and EI60 fire protection doors.

Due to optimal fire-resistance density distribution within a single board the overall core density is lower. Door insulation cores are lighter, while maintaining the same supreme fire performance characteristics. Your handling and installation is easier and faster.

As no additional treatment to improve fire-resistance of cores is required, your door production process can run continuously, as cores are already fitted to be used directly on the line, making your door production faster and more efficient.

Excellent acoustic insulation and thermal door insulation for maximum comfort, energy savings for your end users, and worldwide production are just some of the additional benefits.

**APPLICATION**

- Insulation cores for fire resistant steel doors (industry, public, leisure, hotels, education, health, housing etc.) specified by European standards as: Class EI30, Class EI60

**TECHNICAL PROPERTIES**

- Reaction to fire: Euroclass A1 (EN 13501)
- Melting point above 1.000°
- Dimensional stability
- Minimum amount of organic adhesives
- Product customized according to needs of the customer

**STANDARD DIMENSIONS**

- Nominal density of the board: 120 kg/m³ – 190 kg/m³
- Length: min 1800 mm – max 2100 mm
- Width: min 600 mm – max 1250 mm
- Thickness: min 30 mm – max 75 mm (tolerance +/- 0,5 mm upon request)