

## PRODUCT DATA SHEET

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# FINOTECH® FSBR Fire Stop Backer Rod

### Description

**FINOTECH® FSBR** Backer Rod is for fire and thermal protection of construction expansion joints. In case of fire this insulation solution slows down the spread of fire, fume and toxic gases, and consequentially provides more time to evacuate people. **FINOTECH® FSBR** Backer Rod also contribute to maintain appropriate microclimate in buildings; its vapor permeability protects buildings from humidity.

**FINOTECH® FSBR** Backer Rod are available in different diameters and for different purposes (construction expansion joints, new constructions, reconstructions, chimney coils,...). Insulation ropes are flexible enough to enable easy installation in less accessible parts of constructions.

### Application

**FINOTECH® FSBR** Backer Rod are present practically in every construction where there is a need to connect various parts and ensure appropriate seismic building dynamics.

The basic advantage of **FINOTECH® FSBR** is a highly dense shield system (with synthetic or glass thread), which guarantees excellent stability of insulation ropes and easy installation practically anywhere.

### Features

- fire protection
- thermal insulation
- incombustible
- sound insulation
- low thermal conductivity coefficient
- biological stability
- volume and dimensional stability
- chemically neutral
- water repellent
- highly flexible



### Approvals/Specifications/Certifications/Tests

- Certified "A", SIST EN 13501-2
- 4 hours fire resistance, SIST EN 1366-4, vertical and horizontal

### Product Characteristics

Backer Rod Properties		
Property	Unit	Value
Working temperature	°C / °F	<750 / 1382
Melting point	°C / °F	> 1000 / 1832
Classification	DIN 4102-1	A1
Thermal Conductivity	W/mK	0,035 – 0,040
Heat Capacity	J / kgK	840
Sound protection		Meets high requirements
Density	Kg / m3	240



### Packaging

- product diameters: 12 mm – 180 mm
- packaging: in plastic bags, stacked onto pallet of 1200 x 1200 mm and 1200 x 2100 mm; other packaging on demand

### Storage and shelf life

- Store in a dry place, protected against direct water contact

### Health and Environmental

Main material of **FINOTECH® FSBR** Backer Rod is mineral wool. The basic raw materials in the production of mineral wool are diabas and amphibolite stones. Mineral wool is therefore a natural material that has no proven adverse effects on human health. The installation of mineral wool products enables healthy and comfortable living; its features include improving microclimate and ensuring excellent thermal, sound and fire protection. Nowadays many allergens cause allergic respiratory reactions, as well as skin and eye irritations; tests have shown that mineral wool has no harmful influence on people when directly or indirectly in contact with.

The use of mineral wool as insulating material helps to protect the limited resources of energy and reduces air pollution and CO<sub>2</sub> emissions, since the use of mineral wool can save far more energy than that used in its production. Protecting the environment is also reflected in a closed ecological cycle – mineral wool can be recycled and reused in the production process.

### Note

The function of the product can only be guaranteed if correctly applied in accordance with the Installation Instruction.

### Limited Warranty

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