

FiberMatrix

non-combustible filling and modeling mass

TDS-No. 9400

Basalt fiber-reinforced, water-based, non-organic, non-combustible ready-to-use filler for various applications in shipbuilding and architecture, including for the modeling and production of spatial constructions.

- ✓ 100% natural origin
- ✓ inorganic and antibacterial
- ✓ non-combustible
- ✓ no smoke or fumes in case of fire
- ✓ high temperature resistant (after drying)
- ✓ safe for people and environment
- ✓ high adhesive properties
- ✓ moisture-resistant
- ✓ water resistant after special treatment of the finished product



Properties	Description
Density	1,70 g/cm ³ +/- 10%
Viscosity	8.000 +/- 1.000 Pa·s
Color	Light grey-yellow
Packed unit	7.5 kg bucket. Other packaging units on request.
Fire behavior	non-combustible A1 (DIN 4102)
Thermal stability	1.300 °C
Fixing and drying time	Depending on layer thickness, temperature and processing method. Drying time at room temperature at least 24 hours. The drying time must be adapted to the processing method.
Storage	Protect from moisture and frost, recommended storage temperature 10-40°C. Close container after use. Shelf life unopened 6 months. Consume promptly after opening.
Safety instructions	When processing, the issued guidelines of the chemical industry and the professional association must be observed in connection with the safety data sheets.
Processing instructions:	Stir thoroughly before use. Surface must be free of grease. Volume consumption: 1.500-2.000 g/m ² for different surfaces, depending on the nature and absorbency of the components to be connected/modelled. To be processed at + 5° to + 30°C at a maximum humidity of 95%. In order to accelerate hardening of layers > 3 mm application thickness, it is recommended to add hardener. To accelerate the drying time by about 6 times, we recommend mixing about 8 g hardener with about 100 g of FiberMatrix. To do this, the hardener must be mixed with water at a ratio of 4:1. Since the hardener water mixture hardens quickly, it must be processed immediately after mixing. After mixing the hardener water mixture into the FiberMatrix, it should also be processed immediately before curing. We recommend to prepare the filler with the hardener in small quantities, which can be processed immediately.

Applications

- ✓ Fireproof connection of fire protection elements and execution of repairs in the construction industry and shipbuilding in the interior
- ✓ 3D modeling and production of spatial structures, including in combination with mineral fibre products (basalt, carbon, glass) and mineral wool and/or metals.
- ✓ After drying machinable with ordinary cutting and grinding tool
- ✓ Suitable for fiber material (Basalt, Carbon, glass) as well as mineral wool and metals
- ✓ Due to the variety of possible fields of application and processing conditions, users should check the suitability of this product for the intended purpose through their own test application.



Subject to modifications

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