

LR Ceramatrix 01-50

Fire-resistant adhesive

TDS-No. 9100

Low-viscosity, water based, one-component non-combustible adhesive with endothermic effect, made of natural components, mainly rock formations and basalt microfiber. Ceramatrix 01-50 is used to bond products made of mineral fibers (basalt, carbon, glass) as well as mineral wool and/or metals.



- ✓ 100% natural origin
- ✓ inorganic and antibacterial
- ✓ non-combustible
- ✓ no smoke or fuses 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	1,65 g/cm ³ +/-10%
Viscosity	5.000 +/-1.000 Pa*s
Color	Light yellow - grey
Fire behavior	non-combustible A1 (DIN 4102)
Thermal stability	1.300 °C
Packaging unit*	15 kg bucket. Other packing units on request.
Fixation and drying*	depending on coating thickness, temperature and application 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 to + 40°C, close container after use. Unopened shelf life 6 months. Consume opened containers promptly.
Safety instructions *	When processing, the guidelines issued by the chemical industry and the employers' liability insurance association in conjunction with the safety data sheets must be observed.
General instructions *	The above data and information are based on tests and investigations carried out and are intended to provide guidance to the user. Users must confirm and ensure the suitability of this product for the intended purpose through their own investigations and tests.
Processing information*	Stir thoroughly before use. Surface must be free of grease. Quantity consumption: 500 - 800 g/m ² with flat surface, depending on condition and absorbency of the component to be joined.

Certificate number "Module B" confirmed TÜV NORD: M18029, valid until 07.07.2022

[EG Certificate (module B) marine equipment in accordance with the directive 2014 / 90 / EC i. V.m. Directive 20174/306 (EC) – Number „MED / 3.13 flame-retardant material“]

Application

- ✓ Ceramatrix is suitable for indoor use in shipbuilding, mechanical engineering and architecture, in particular for the manufacture of refractory connections.
- ✓ For manufacturing of fire-resistant sandwich panels in building industry and engineering
- ✓ Suitable for components made of mineral fiber (basalt, carbon, glass), mineral wool and metals
- ✓ After drying machinable with ordinary cutting and grinding tool



Subject to modifications

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