

CBG LR Ceramatrix®01-50

Fire-resistant adhesive

TDS-No. 9100

Low-viscosity, water-based, one-component noncombustible adhesive with endothermic effect, made of natural components, mainly rock formations and basalt microfiber. CBG LR 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 fuse in case of fire
- High temperature resistant (after drying)
- Safe for people and the environment
- High adhesive properties
- Moisture resistant
- Water-resistant after special treatment of the finished product



Properties	Description
Density	1.175 g/cm ³ +/-10%.
Viscosity	5,000 +/-1,000 Pa*s.
Color	Light yellow - grey.
Fire behavior	Non-combustible A1.
Thermal stability	1,300 °C.
Packaging unit*	8.75 / 17.5 kg pail container. Other packaging units on request.
Fixation and drying*	Depending on layer thickness, temperature and application method drying time at room temperature is from 8 to 24 hours. The drying time must be adapted to the application method.
Storage*	Protect from moisture and frost, recommended storage temperature -5°C to + 40°C, after use the container must be closed. Shelf life 6 months when stored closed. 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: 200 - 800 g/m ² with flat surface, depending on condition and absorbency of the component to be bonded.

Certificate number "Module B" confirmed TÜV NORD: M18029.

[EG certificate (module B) marine equipment in accordance with directive 2014/90/EU. V.m. Directive 2017/306 (EC) - Number "MED / 3.13 flame retardant material"].

Application

- CBG LR Ceramatrix®01-50 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 workable with ordinary cutting and grinding tool.



Subject to modifications

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