



TRULOC Technical Data Sheet

Superbond 500 A+B Dated: 25.01.2009

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Product Description

Two component adhesive cured by contact, does not require mixing. Fixing time from 1-3 minutes. Suitable for bonding metals, ceramics, glass, wood, hard plastics. Highly resistant to impact, peeling and tensile.

Physical Properties

	500A	500B
Chemical composition	urethane methacrylate	urethane methacrylate
Appearance	viscous green	viscous amber
Viscosity (25°C-mPa.s)	5000-15000	5000-15000
Specific weight (25°C-g/ml)	1,1	1,1
Flash point (TCC)	>93°C	>93°C
Solvent content	None	None
Shelf life @20°C	12 months	12 months
Storage temperature	+5/28°C	+5/28°C

Curing properties

Mixing ratio	not critical (weight/volume 100:100)
Handling time	1-3 minutes
Thickness of joint (mm)	min. 0,05 – max 0,50
Functional strength	30-60 minutes
Final strength	24 hours
Shear strength	12-25 N/mm ² (DIN53283)
Tensile strength	15-25 N/mm ² (DIN53283)
Peeling strength	3,5 – 5 N.mm (ISO4578)
Impact strength	15-25 Nmm/mm ² (ASTM D-950)
Coefficient of thermal expansion	80 x 10 ⁻⁶ 1/K (ASTM D696)
Thermal conductivity	0,1 W/mk (ASTM C177)
Dielectric constant	4,6 (1MHz) (ASTM D150)
Volume resistivity	2 x 10 ¹³ Ω.cm (ASTM D257)
Dielectric strength	30-50 KV/mm (ASTM D149)
Temperature range	-30° + 120°C

Handling and safety

Does not contain dangerous substances, classified: Xi = irritating according to EEC regulation. For detailed information refer to MSDS.



IRRITANT

Note

The information given in this Data sheet is the result of controlled laboratory tests and experience. It is intended only as a guide to the user in selecting the appropriate grade of Truloc product. Users must satisfy themselves by appropriate tests that the grades they propose to use are suitable for their specific application. Truloc Ltd are not responsible for loss, claim or damages resulting from the use of their products.

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