

LOXEAL 33-47A + B

Preliminary data sheet

CHEMICALLY ACTIVATED STRUCTURAL ADHESIVE

Description

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

Physical properties

	<u>33-47A</u>	<u>33-47B</u>
* Chemical composition	: urethane methacrylate	urethane methacrylate
* Appearance	: viscous amber	viscous green
* Viscosity (25°C - mPa.s)	: 5.000 -15.000	5000 – 15.000
* Specific weight (25° - g/ml)	: 1,1	1,1
* Flash point (TCC)	: > 93° C	> 93° C
* Solvents 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 (DIN53283)	: 12 - 25 N/mm ²
* Tensile strength (DIN53288)	: 15 - 25 N/mm ²
* Peeling strength (ISO4578)	: 3,5 - 5 N.mm
* Impact strength (ASTM D-950)	: 15 - 25 Nmm/mm ²
* Coefficient of thermal expansion (ATM D696)	: 80 x 10 ⁻⁶ 1/K
* Thermal conductivity (ASTM C177)	: 0,1 W/mk
* Dielectric constant (ASTM D150)	: 4,6 (1 MHz)
* Volume resistivity (ASTM D257)	: 2 x 10 ¹³ Ω . cm
* Dielectric strength (ASTM D149)	: 30 - 50 KV/mm
* Temperature range	: -30°C + 120°C

Handling and safety

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

Packing

<u>33-47A</u>	<u>33-47B</u>	<u>Box</u>
Bottle 50 ml.	Bottle 50 ml.	5 A + 5 B
Bottle 250 ml.	Bottle 250 ml.	5 A + 5 B

ST3347ABE 11/98

Le presenti informazioni si basano sulle nostre conoscenze ed esperienze. Loxeal Srl garantisce la costanza qualitativa dei prodotti forniti in conformità alle proprie specifiche. A causa della diversità dei materiali presenti sul mercato ed al fatto che le condizioni applicative sfuggono al nostro controllo, l'utilizzatore deve verificare con prove adeguate l'idoneità del prodotto per l'uso specifico preso in considerazione. Nessuna responsabilità può esserci imputata per l'uso non appropriato del prodotto. In ogni caso il danno rimborsabile è limitato al valore della merce.

The information contained herein are produced in good faith and are believed to be reliable; they are for guidance only. Loxeal Srl and its dealers cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control . It is user's responsibility to determine the suitability of any product according to the specific application with preliminary tests. Loxeal Srl will not be liable for any inappropriate use of the products.