

SUPERLOX

Superlox A+B (Universal bonding)

Description

Loxeal Superlox is a two-components fast curing acrylic adhesive, designed to bond a wide variety of materials, also in combination with each other. It is ideal for unknown and difficult-to-bond plastics such as Polyolefins and substrates with low surface energy (PP, PE, PTFE, PMMA, etc), other plastics (ABS, PVC), some rubbers, metals, wood and leather as well. It allows to design 0-gap joints and to bond substrates with extremely small gaps. Easy-to-use, it doesn't sag and provides transparent bonding with high shear and peel strength. Loxeal Superlox does not require any surface treatment.

Typical physical properties

	Part A	Part B
Chemical composition:	methacrylate ester	methacrylate ester
Appearance:	translucent	transparent
Viscosity, Rheometer cone-plate (+25°C - mPa s):		
Shear rate 0.3 1/s	400000	20000
Shear rate 40 1/s	15000	
Mixing ratio (A+B):		1:1
Specific weight (+25°C - g/ml):	1,0	1,0
Shelf life:	12 months in 25ml unopened packaging at +25°C	

Typical Curing properties at +25°C

Pot life:	6 minutes*
Fixture time:	12 minutes

Adhesion on substrates

PP:	Excellent
PE:	Excellent
PTFE:	Excellent
PMMA:	Excellent
PEEK:	Excellent
Acetal (POM):	Good
Nylon:	Excellent
Composites:	Good
Metal:	Excellent
Glass:	Good
Leather:	Good
Wood:	Good

Temperature resistance: -40/+80°C

* Time detected using 6 g of mixed product

Warnings

This adhesive is not approved for usage neither with pure nor with gaseous oxygen.
Consult Material Safety Data Sheet before use.
For further information on applications, storage and handling contact Loxeal Technical Service.
Cured product can be removed only mechanically.

Directions for use

For best results we recommend to degrease and clean substrates with a cleaner suitable to the substrate.
Use at room temperature.

- **Adhesive application**
Product is available in dual manual syringes packaging
1. Open the cartridge and extrude a small quantity of adhesive, until the 2 parts come out homogeneously.
2. Mix Part A and Part B using the static mixer provided, after setting it on the cartridge.
3. Apply the product completely discarding the first 2 cm of the extruded product.

- **Pot life**
Pot life of the mixed adhesive is about 5 minutes (typical). It varies according to the temperature. Higher temperature reduces the pot life. Apply product at temperature higher than +15°C.

- **Assembly**
Parts to be bonded shall be assembled immediately after product application and kept close until full polymerization without providing any mechanical stress.

Note

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