



TECHNICAL DATA SHEET

LEXA BOND

LEXA BOND L-X-H201|L-X-R101



DESCRIPTION

LEXA BOND is a high-performance, two-component epoxy adhesive system developed for bonding a wide range of materials with superior strength and reliability. The system includes a modified epoxy resin (Part A – L-X-R101) and a compatible hardener (Part B – L-X-H201) that cures at room temperature. It is ideal for industrial applications requiring robust adhesion to substrates like metal, ceramics, marble, and concrete.

L-X-H201

Description	Visual	Clear transparent liquid
Colour	ASTM D 1544	MAX 1 G
Viscosity @25°C	ASTM D 2196-05	25000 – 35000 Mpas
Density @25OC	ASTM 1475 - 98	1.01 – 1.1

L-X-R101

Description	Visual	Greyish black paste
Colour	ASTM D 1544	Max 8
Viscosity @25°C	ASTM D 2196-05	25000 - 35000
Density @25OC	ASTM D 1475-98	0.92 – 0.98

PROCESS PARAMETERS

Mixing ratio	W/W	100 : 80
Pot life	Minutes	35 - 45
Mix viscosity @25°C	ASTM D 2196 - 05	25000 - 35000
Surface dry of thin film @25°C	Minutes	60 - 90

Touch dry of thin film @25°C	Minutes	150 – 180
Hard dry of Thin film @25°C	Minutes	250 – 400
Tensile shear strength Al-Al joint, after 24 hours @27°C	Kg/Sq.cm	90 - 120

APPLICATION

- Bonding of metal parts
- Ceramic and concrete jointing
- Marble surface repairs and fixing
- Speaker assembly and other electronics
- Decorative and architectural joints

ADVANTAGES

- Excellent bond strength and peel resistance
- Long pot life and working time
- Moisture and water resistant
- Reliable electrical insulation
- Room temperature curing
- Easy to mix and apply

SURFACE PREPARATION

Clean the substrate surfaces thoroughly using acetone, toluene, or any suitable degreasing solvent. Surface abrasion (e.g., sandpaper) is recommended to improve adhesion. Ensure surfaces are dry, dust-free, and oil-free before application.

APPLICATION METHOD

Mix the resin and hardener as per the recommended weight ratio. Stir until a uniform blend is obtained. Apply the adhesive to the prepared surfaces using a spatula or brush. Assemble parts and allow curing at ambient temperature. Full bond strength develops within 24–48 hours.

CURING INFORMATION

Ambient Curing: 24 hours at 25–30°C

Optional Heat Acceleration: Curing time can be reduced using mild heat (e.g., 50°C for 1–2 hours)

PACKAGING OPTIONS

Available pack sizes: 36 gm | 90 gm | 180 gm | 360 gm | 450 gm | 800 gm | 900 gm | 1 kg | 4.5 kg | 5 kg

STORAGE & SHELF LIFE

- Store the resin and hardener in sealed original containers, away from sunlight and moisture. Keep in a cool, dry place (2°C to 40°C).
- Shelf Life: 24 months from the date of manufacture

SAFETY PRECAUTIONS

- Wear protective gloves and safety glasses during handling.
- Avoid contact with skin or eyes.
- Ensure good ventilation while working.
- In case of skin contact, wash with soap and water.
- Refer to product MSDS for complete safety guidelines.

TECHNICAL SUPPORT

Manufactured By Industrial 9-Warehouse, Behind Shirawi Enterprise, Ras Al Khor Industrial Area 2, Dubai, UAE

India Facility: 1025/1/A, Babla Compound, Gaibi Nagar, Kalyan Road, Bhiwandi, Maharashtra – 421302

www.lisauae.com | contact@lisauae.com