



TECHNICAL DATA SHEET
LEXA-GEL-9009

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DESCRIPTION

LEXA-GEL-9009 is a multipurpose, epoxy-based, moisture-tolerant structural adhesive in a gel form with a clear, transparent look. It features a high bonding strength, molecular flex, and toughness for a wide range of applications. It is ideal for freeze/thaw conditions, and can withstand vibration and shock load during transportation. The product is easy to use, smooth, and suitable for horizontal and vertical applications. With its gel-like consistency, LEXA-GEL-9009 is highly workable and non-sagging, making it ideal for vertical, overhead, and precision applications. It is specially engineered to be moisture tolerant, UV resistant, and non-yellowing, maintaining its crystal-clear transparency and strength over time, even when exposed to extreme weather variations or freeze/thaw cycles..

Key Features & Advantages:

- Crystal-clear, UV-resistant and non-yellowing
- High tensile and compressive strength
- Moisture-tolerant and chemically inert
- Easy 2:1 mixing ratio
- Gel-like, non-sag consistency
- Sets in 30 minutes at 25°C 90% cure within 1 hour
- Does not stain or dehydrate even delicate stones
- Service temperature range: -30°C to +90°C Can be machined after 45 minutes of curing
- Excellent adhesion even on metallic and polished surfaces

UV resistant, non-yellowing

- Smooth and easily workable, simple 1:1 mixing ratio
- Non-sag on vertical or overhead surface,
- sets in 30-minutes at 25°C
- 90% cure within 1 hour at 25°C
- Very high strength permanent bonds
- Tensile and compressive strength superior to concrete
- Excellent chemical resistance
- Can be machined after 45 minutes cure at 25°C

TECHNICAL DATA

Consistency	Epoxy gel
Color	Milky white transparent
Mix Ratio by volume	2:1
Loading Time at 25°C	120 minutes
Pot life at 25°C	45 minutes
Full cure at 25°C	24 hours
Tensile shear strength	>20Mpas
Elastic deformation at 20 Mpas shear stress	2.5%
Tensile bond strength	10 Mpas
Compressive strength	80 Mpas
Flexural strength	15 Mpas
Coefficient of linear expansion	40 mm per °C 10-6

Civil Engineering Applications

LEXA-GEL-9009 is a non-sag, two-part epoxy adhesive and filler ideal for structural bonding and repair. It's perfect for:

- Pre-cast concrete bonding and repair
- Bolt grouting and anchoring
- Concrete floor, stair, and column restoration
- Bonding bricks, ceramics, fiberglass, and metals Strengthening formed concrete structures
- Its strong adhesion, chemical resistance, and durability make it ideal for tough engineering conditions.

APPLICATION FOR MARBLE, GRANITE, PORCELAIN AND OTHER STONES

EXA-GEL-9009 is a high-performance bonding solution for marble, granite, porcelain, terrazzo, concrete, and more. It also works on rigid plastics, wood, and paper. With its gel-like, non-sag consistency, it provides excellent vertical stability and precise, thin joint applications. LEXA-GEL-9009 delivers strong, durable adhesion without staining or dehydrating sensitive stone types. It also reinforces fragile stones by sealing cracks and structural faults, reducing the risk of breakage during handling and installation.

APPLICATION AREAS

LEXA-GEL-9009 is a high-performance epoxy gel designed for bonding natural stones like marble, granite, cast stone, sintered porcelain, terrazzo, and concrete. It also adheres well to rigid plastics, wood, and paper. Its non-sag, gel-like consistency offers excellent stability for vertical and overhead applications, enabling precise, thin joints without staining sensitive surfaces. Beyond bonding, LEXA-GEL-9009 strengthens fragile or porous stones by sealing internal cracks, reducing breakage during handling and installation.

STORAGE AND SHELF LIFE

Store **LEXA-GEL-9009** in its airtight, original containers at temperatures not below 10°C. When stored correctly, the product has a shelf life of up to 2 years. Ensure containers are kept tightly sealed to prevent contamination or moisture ingress.

PACKAGING: 2.25Kg (1.500gms + 750gms)

CAUTION & SAFETY MEASURES

- Keep the container tightly closed during and after use.
- Apply **LEXA-GEL-9009** (A + B) only on clean, dry surfaces.
- Avoid contact with eyes and skin — may cause irritation.
- Do not inhale vapors or fumes. Use only in well-ventilated areas.
- In case of eye contact, flush immediately with plenty of water and seek medical attention.

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

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