

LENA 7 XTREME

HIGH-PERFORMANCE POLYURETHANE ADHESIVE FOR BONDING

1. PRODUCT DESCRIPTION

LENA 7 Xtreme is a two-component polyurethane-based adhesive with high elasticity, thixotropy, and moisture resistance. It has reduced slip and is solvent-free. It is available in beige.

LENA 7 Xtreme is supplied in packs of 12 kg (10.9 kg component A + 1.1 kg Component B - hardener). Provided that it is kept in its original packaging, the product has a shelf life of 12 months under storage conditions in which it is protected from high temperatures and humidity.



2. FIELD OF USE

LENA 7 Xtreme is suitable for use when fixing large ceramic tiles and natural stone (specifically shale and slate) of any absorption and porosity on interior and exterior walls and floors, on cement-based surfaces, ceramic tiles, metal, rubber, and PVC. Perfect for bonding exposed cork boards to façades and filmed tile with wire reinforcements applied behind the boards.

3. PRODUCT CHARACTERISTICS

ADHESIVE PASTE	Average values*	Reference Standard	HARDENED ADHESIVE	Average values*	Reference Standard
Application temperatures	+5°C to 30°C	-	Reaction to fire	Class E (WFT)	EN 12004-1
Density of the mixture	1560 Kg/m ³	-	Initial adhesion strength when cut	≥ 2.0 N/mm ²	EN 12004-2
Working time once mixed (ambient temperature ≈ 15°C)	20-30 minutes*	-	Adhesion after immersion in water	≥ 2.0 N/mm ²	EN 12004-2
Grouting time	24 hours	-	Open time (20 min)	≥ 0.5 N / mm ²	EN 12004-2
Cure time	3 days	-	Adhesion after thermal shock	≥ 2.0 N/mm ²	EN 12004-2
Determination of slip	≤ 0.5 mm	EN 12004-2	Ultimate elongation	≈ 35%	-
Guideline usage	Single spread: 3kg/m ² Double spread: 4kg/m ²	-	Operating temperature	-40°C to +110°C	-

* Valid for ambient temperatures around 15°C - for higher temperatures, the working time is shorter. It is not advisable to apply in hot months with high temperatures, as the working time is significantly reduced (<10min).

4. APPLICATION RECOMMENDATION

• Preparing surfaces:

Surfaces must be free of dust, release agents and disintegrating or unstable materials, efflorescence, or any other materials that may impair the adhesion of the adhesive. Surfaces must also be properly smoothed.

• Preparing the adhesive

LENA 7 Xtreme is prepared by mixing Component A with the hardener (Component B) in its entirety. No other components should be added. Mix mechanically using low speed electric mixer until you produce a consistent paste. Once mixed, the viscosity of the product increases, achieving the ideal workability for application using notched trowel.

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- **How to use:**

Apply **LENA 7 Xtreme** on the surface - which should be suitable for the work required and in terms of temperature and humidity - pressing down where appropriate. Subsequently, even out the surface with a notched trowel. Push the part you would like to attach onto the adhesive, pressing down it until the adhesive is completely flattened, tamping down with a rubber mallet.

Should greater efficiency be required for facades, or should surfaces be entirely impermeable, surfaces should be double-buttered. In addition, it is essential that a layer about 2 mm thick is applied with the smooth part of the spatula, which is then levelled with the notched side.

On facades and exterior walls, protect the upper part of coatings with copings.

- **Cleaning:**

Tools and coated surfaces should be cleaned with rubbing alcohol while the adhesive is still fresh. Once hardened, it can only be removed mechanically.

5. FURTHER ADVICE

- Do not apply on surfaces that are subject to rising humidity or that are not completely dry;
- Do not add any other products to the mixture, and apply the adhesive as presented in its original packaging and prepared according to recommendations;
- Should you be unsure of the applicability or suitability of the product, especially for rehabilitations or unusual applications, we advise getting in touch with our Technical Services prior to using the product.

6. HEALTH AND SAFETY

Product Safety Data Sheet available for consultation at www.argatecnic.pt or upon request from our Sales Services.

7. TECHNICAL ASSISTANCE


For technical assistance and sales information, contact:

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8. CE MARKING

 YEAR: 13	LENA 7 Xtreme EN 12004-1 R2 T – Reaction resin adhesive with reduced slip Performance declaration PDO no. 107.001 (beige) Laboratory no. 1170 notified
LENARGATECNIC, LDA Rua dos Castanheiros, nº 11 Boa Vista 2420-415 LEIRIA, Portugal	

The information, recommendations and technical characteristics presented in this Technical Data Sheet are provided in good faith and are based on the current knowledge we have of the product. These may be altered without prior notice. Our responsibility is limited to guaranteeing the quality of the product provided according to the physical-chemical characterisation presented in this Technical Data Sheet. We cannot make any guarantees concerning its correct application, even if inferred from these instructions or contained within oral or written recommendations.



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