TECHNICAL DATA – LX-500E EXTERIOR LEVELLER

DATE ISSUED: 24.03.2026 Ref: DUNLX-500E/001

DUNLOP LX-500E EXTERIOR LEVELLER

LEVELS UNEVEN FLOORS | WALK ON TIME 2-3hrs | LIGHT TRAFFIC TIME 48hrs | INTERNAL & EXTERNAL USE | 10 YEAR GUARANTEE

TECHNICAL SUMMARY

Size	20kg
Colour	Grey
Classification	CT-C35-F7
Abrasion Resistance	AR0.5 according to EN 13813:2002
Composition	Cementitious smoothing and levelling material modified by polymer for use internally and externally
Coverage	20kg bag will cover approx. 4m^2 at 3mm thickness
Pot Life*	30 minutes at 20°C
Setting Time*	Foot traffic after 2-3 hours, light rubber wheeled traffic after 48 hours
Tile After*	4 hours
Bed Thickness	2-20mm
Application Temperature	Apply at a minimum of 5°C on a rising scale
Storage & Shelf Life	This product must be stored in unopened packaging, clear of the ground in cool dry conditions between 5°C and 30°C and protected from excessive draught. Ensure part-used bags are resealed. If stored correctly the shelf life of this product is 12 months

*depending on temperature, background and site conditions

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SITUATION

Floors	✓	The surface must be clean, dry, sound and free from laitance, dust dirt and all barriers to adhesion. The surface may require priming see below for more info.
Interior and Exterior	✓	
Wet Areas	✓	
Power Showers	x	
Swimming Pools	x	

BACKGROUND

Concrete surfaces (minimum 6 weeks old):	✓	Must be fully cured and mechanically prepared to ensure surface is free from any laitance, surface hardeners and all barriers to adhesion. Use a suitable degreaser to remove oil, grease or similar contaminants and rinse well prior to mechanical preparation. Concrete surfaces must be mechanically prepared, either by scabbling, grinding or contained shotblasting equipment or similar, and be vacuumed clean prior to priming. Sufficient and thorough mechanical preparation is essential for commercial areas, especially those intended for exposure to regular or intensive rubber wheeled traffic, or heavy loading. Vacuum the prepared surface to remove all dust and debris and ideally wash the surface using high pressure water jet equipment. For internal dry and external covered areas such as garage floors, prime the surface with DUNLOP MULTI-PURPOSE PRIMER diluted 1:1 or DUNLOP SBR UNIVERSAL BONDING AGENT diluted 1:4. Dilute with clean water and apply with a brush or broom. Any ponding, puddles or surface water must be removed with a broom so that excess primer is not incorporated in the mortar during application. Let the primer dry before DUNLOP LX-500E EXTERIOR LEVELLER is applied. If the substrate is very porous, priming with DUNLOP UNIVERSAL BONDING AGENT diluted 1:1 with water or a solvent free epoxy primer that is then sand-blinded is recommended. In all areas subjected to regular rubber wheeled traffic or heavy loading, and on dense surfaces, a solvent free epoxy primer should be used that is sand-blinded with fine aggregate while still wet and allowed to cure. For external, fully exposed applications such as garden paths, dampen with clean water applied with a brush or broom. Ponding and puddles must be removed with a broom so that excess water is not incorporated in the mortar during application. Apply DUNLOP LX-500E EXTERIOR LEVELLER whilst the surface is still damp.

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IN A NUTSHELL

DUNLOP LX-500E EXTERIOR LEVELLER is a fast-setting resurfacing and levelling compound for concrete floors. When mixed with water, a fluid mortar with a working time of 30 minutes at 20°C is produced. It can be subjected to foot traffic after 2 hours at 20°C and light rubber wheeled traffic after 48 hours at 20°C. DUNLOP LX-500E EXTERIOR LEVELLER will smooth and level concrete surfaces such as garages, car ports, workshops, and paths. It can also be used for filling holes and resurfacing damaged floors, such as concrete or a bonded cement and sand screed (>30N/mm2 compressive and 1.5N/mm2 pull off).

PREPARATION

Floor surfaces should be sound, clean and free from dust, grease and other contaminants. The temperature of the floor (and ambient conditions) must be >5°C throughout application and drying. See BACKGROUND section for further details.

MIXING

Gradually mix DUNLOP LX-500E EXTERIOR LEVELLER powder to clean water whilst stirring and mix thoroughly until a lump-free consistency is achieved. A 20kg bag will require approximately 3.6 to 3.8 litres of water. Allow to stand for 2 minutes then re-mix for 30 seconds. When using an electric drill mixer, blend at slow speed i.e. less than 300 r.p.m. The mixed material is immediately ready to use and should be used within 30 minutes of mixing (at 20°).

APPLICATION

1. Prime surface as required (see BACKGROUND section above for details).
2. Pour the mixed DUNLOP LX-500E EXTERIOR LEVELLER onto the prepared substrate. The mixed mortar will flow out and self-smooth during the first 10 minutes of its 30 minute working time. Spread the mortar using a steel trowel or float. For larger areas it is recommended to use a gauging tool or a pin leveller with thickness height adjustment to spread the mortar. The use of a spiked roller will help eliminate entrapped air and smooth out any flow lines to give a more uniform surface appearance.
3. The applied DUNLOP LX-500E EXTERIOR LEVELLER surface can be left with a trowelled finish or if required, the dried DUNLOP LX-500E can receive suitable sealers, paints or coatings. If gradient levelling has to be carried out, the water content must be reduced. In applications where the slip resistance of a smooth surface would be unsuitable, such as in wet areas or external locations, the slip resistance can be improved by reducing the mixing water to get a thicker consistency and then 'broom finished' once the initial set has occurred (approximately 35-40 minutes under normal conditions). Alternatively, an appropriate slip resistance coating can be applied. Once set, the freshly applied DUNLOP LX-500E EXTERIOR LEVELLER, must be protected from adverse climatic conditions e.g. rapid drying air flow, direct strong sunlight, frost, etc., or an appropriate curing method must be taken until hardened.
4. If a second layer of DUNLOP LX-500E EXTERIOR LEVELLER is required, this should be applied after the first layer has fully hardened. The first layer should be machine sanded (paper 16 to 36), cleaned and primed with DUNLOP MULTI-PURPOSE PRIMER diluted 1:1 with water or DUNLOP SBR UNIVERSAL BONDING AGENT diluted 1:4 with water for dry indoor use, or dampen with water for external use.
5. DUNLOP LX-500E EXTERIOR LEVELLER can be applied neat from 2mm to 20mm thick. NOTE: The thickness of combined layers should not exceed 20mm. If using DUNLOP LX-500E EXTERIOR LEVELLER to create an external path or walkway, a minimum thickness of 10mm should be applied. For other exposed, external applications, please contact the Technical Department for further guidance.

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COVERAGE
Depends on the nature and flatness of the surface and the thickness of the application, but approximately 20kg of DUNLOP LX-500E EXTERIOR LEVELLER will cover 4m² at 3mm thickness approximately.

10 YEAR GUARANTEE
As a testament to the reliability and performance of our rigorous quality control procedures, all Dunlop products carry a 10-year guarantee. Subject to terms and conditions -see website for details www.dunloptrade.com

ARDEX GROUP WARRANTY
ARDEX Group supplies products under a range of Brands into the UK and Ireland markets. This Warranty applies to BAL, ARDEX, Gutjahr, Wakol, Loba, wedi or Knopp products whether used individually or in combination provided they are used in accordance with the relevant product datasheets and the warranty terms and conditions are available on the website. This Warranty applies only to Products purchased and used in the UK and Ireland directly from one of the Brands or a Brand authorised stockist.

HEALTH & SAFETY INFORMATION
For detailed information on safety guidance, please refer to the Product Material Safety Data Sheet (available on request or via the Dunlop website www.dunloptrade.com)

DUNLOP TECHNICAL HELPLINE
For free expert guidance on the use of this product or any aspect of ceramic tiling telephone the DUNLOP TECHNICAL HELPLINE on: Tel: 01782 591120 Fax: 01782 591121.

Note: The customer must verify the suitability of any information, opinion, recommendation or advice (“Information”) provided by the Company for the particular application for which any goods are intended to be used and the Company accepts no liability (whether in contract tort, or otherwise) whatsoever for any loss, damage, or expense arising from the misuse of any information it supplies nor for the use of any information in or for applications which are unsuitable or inappropriate. Building Adhesives Ltd operates a continuous research and development programme and reserves the right to alter or update information from time to time.