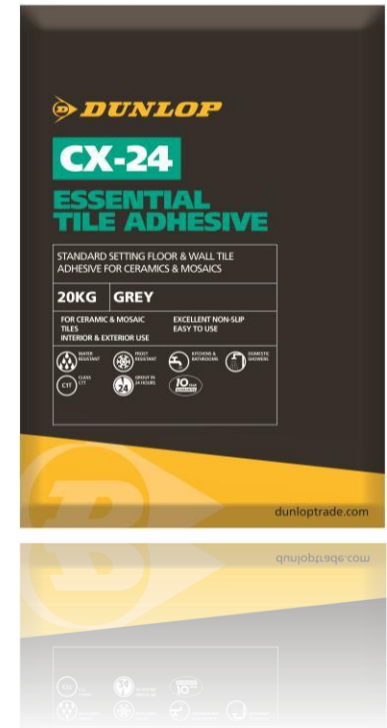


DUNLOP CX-24 ESSENTIAL TILE ADHESIVE



TECHNICAL SUMMARY

Size	20kg
Colour	Grey & White
Classification	C1T
Composition	Normal setting cementitious adhesive with reduced slip
Coverage (20kg bag)	At 3mm thickness: 2kg/m ² for dry wall areas 3.5kg/m ² for floors, exterior and wet areas
Pot Life*	5 Hours
Open Time*	15-20 minutes
Setting Time*	24 hours
Grout After*	24 hours
Bed Thickness	3-6mm
Application Temperature	Room Temperature approx. 20°C (do not use below 5°C)
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 temperatures, background and site conditions.

TECHNICAL DATA – CX-24 ESSENTIAL TILE ADHESIVE

DATE ISSUED: 13.05.2025 Ref: DUN CX-24/001

SITUATION

Walls	✓	The surface must be clean, dry, sound and flat.
Floors	✓	The surface must be clean, dry, sound. The surface may require priming such as DUNLOP MULTI-PURPOSE PRIMER or DUNLOP UNIVERSAL BONDING AGENT, dependent on the type of background.
Interior Dry	✓	
Wet Areas	✓	Background should be protected from water ingress. (e.g. by using DUNLOP SHOWER WATERPROOFING KIT). British Standards recommend at least 2 weeks from completion of grouting before the shower can be used.
Power Showers	✓	Background should be protected from water ingress. (e.g. by using DUNLOP SHOWER WATERPROOFING KIT). British Standards recommend at least 2 weeks from completion of grouting before the shower can be used.
Swimming Pools	✓	DUNLOP FLEXIBLE ADDITIVE may be used to enhance performance in exterior situations. Contact DUNLOP TECHNICAL HELPLINE for further advice.
Exterior	✓	DUNLOP FLEXIBLE ADDITIVE may be used to enhance performance in exterior situations. Contact DUNLOP TECHNICAL HELPLINE for further advice.
Underfloor Heated Screeds	✓	DUNLOP FLEXIBLE ADDITIVE may be used to enhance performance in heated screeds. Contact DUNLOP TECHNICAL HELPLINE for further advice.
Electric Undertile Heating	✓	DUNLOP FLEXIBLE ADDITIVE may be used to enhance performance in electric heated floors. Contact DUNLOP TECHNICAL HELPLINE for further advice.

For further advice or advice on any other situations not listed above, please contact DUNLOP TECHNICAL HELPLINE on 01782 591120

TECHNICAL DATA – CX-24 ESSENTIAL TILE ADHESIVE

DATE ISSUED: 13.05.2025 Ref: DUN CX-24/001

BACKGROUND

The surface to be tiled should be flat, clean and free from dust, grease or any other barriers to adhesion.

Suitable surfaces include:

Concrete; cement:sand screeds and rendering	✓	Allow the following minimum drying times: Concrete – 6 weeks, Cement: sand screeds – 3 weeks, Cement: sand rendering – 2 weeks. If surface is porous or dusty- clean, then apply one coat of DUNLOP MULTI-PURPOSE PRIMER diluted 1:1 with clean water or DUNLOP SBR UNIVERSAL BONDING AGENT diluted 1:4 with clean water. Allow to dry
Existing unglazed ceramic tiles, quarry tiles and natural stone:	✓	Must be soundly bonded to a stable background that is sufficiently strong enough to support the weight of the new tiling. Surface must be clean, dry and dust/contamination free. Any surface sealers must be removed. Use an admix such as DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water when tiling onto glazed tiles or when fixing fully vitrified/porcelain tiles.
Asphalt:	✓	Must be of suitable internal flooring grade and be in sound condition with adequate cohesive strength.
Existing vinyl tiles: (Not cushion floor variety)	✓	Must be securely bonded to their backgrounds and free of polish, grease etc. Use an admix such as DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water when tiling onto vinyl tiles or prime using undiluted DUNLOP SBR UNIVERSAL BONDING AGENT
Plaster	✓	Must be at least 4 weeks old before tiling. Ensure finish coat has been applied, and surface is free from dust. If polished, brush thoroughly using a stiff bristled brush before priming with two undiluted coats of DUNLOP MULTI-PURPOSE PRIMER or DUNLOP SBR UNIVERSAL BONDING AGENT diluted 1 part primer to 2 parts water by volume. Allow primer to dry.. Do not tile to bonding/browning plaster. The maximum weight of tiling to plaster (including the tile adhesive) is 20kg per m ²
Plasterboard	✓	Use an admix such as DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water when tiling onto plasterboard. Ensure the plasterboards are dry, securely fixed i.e.at 300mm centres or as per board manufacturer's recommendations and be of a suitable thickness. If the plasterboard is dot and dabbed at 300mm centres and around the perimeter, leave to dry before tiling. Maximum weight of tiling to plasterboard (including the tile adhesive) is 32kg per m ²
Fibre reinforced cement boards, and tile backer boards (when used with DUNLOP FLEXIBLE ADDITIVE)	✓	Use an admix such as DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water when tiling onto cement boards. Check suitability with the board manufacturer. Ensure boards are sufficiently rigid, stable, and can carry the additional load without excessive deflection and has adequate ventilation underneath the boards. If boards <10mm thick also use DUNLOP PROCOVER UNCOUPLING MAT on floors. Some boards may require priming prior to tiling using a primer such as DUNLOP MULTI-PURPOSE PRIMER (1:1 dilution).
Existing T&G Floorboards / plywood floors:	✓	Use an admix such as DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water. NOTE: from May 2024 Plywood/Timber is not suitable to tile directly to - BS 5385 -3: 2024 Option 1 - Overlay with a suitable tilebacker board of appropriate thickness and fixed as per manufacturers instructions. Option 2 - An uncoupling matting such as DUNLOP PROCOVER - can be selected providing that the plywood/timber floor is: <ul style="list-style-type: none"> • the correct grade • sufficiently dry, rigid and stable • able to carry all anticipated static and dynamic load without deflection • have adequate ventilation below • flat and level (SR1) • securely fixed (screwed to joists at 300mm centres, including any cross-noggins, if necessary) When bonding tile backer boards or uncoupling mattings down to the surface of the timber it should be prepared to receive an adhesive. Sanding of the surface may be required to ensure any surface coatings are removed, e.g. varnish, lacquers, etc. Prime with 2 coats of (second coat applied at 90° to first) DUNLOP MULTI-PURPOSE PRIMER (undiluted).

For further advice or advice on any other backgrounds not listed above, please contact DUNLOP TECHNICAL HELPLINE on 01782 591120

TECHNICAL DATA – CX-24 ESSENTIAL TILE ADHESIVE

DATE ISSUED: 13.05.2025 Ref: DUN CX-24/001

TILE TYPE

Glazed - ceramic	✓	Cannot be generally used for external or heavy traffic floor areas
Unglazed – ceramic	✓	Normally used in commercial/industrial situations and more used for wet areas and external.
Porcelain	✓	When used with DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water.
Natural Stone – translucent / water sensitive (water sensitive may suggest resin agglomerated stone)	×	
Natural Stone – non translucent	×	
Mosaics - ceramic	✓	
Mosaics - porcelain	✓	When used with DUNLOP FLEXIBLE ADDITIVE diluted 1:1 by volume with water.
Mosaics – natural stone	×	

For further advice or advice on any other tile types not listed above, please contact DUNLOP TECHNICAL HELPLINE on 01782 591120

IN A NUTSHELL

DUNLOP CX-24 ESSENTIAL TILE ADHESIVE is a water-resistant floor and wall adhesive, suitable for bed thicknesses from 2-6mm or up to 12mm in limited, isolated areas for interior tiling. Mixed with water, it is suitable for fixing ceramic floor and wall tiles, vitrified tiles and mosaics, quarry tiles and brick slips. This product is not suitable for porcelain tiles or exterior areas unless a flexible additive is used i.e. DUNLOP FLEXIBLE ADDITIVE. DUNLOP CX-24 ESSENTIAL TILE ADHESIVE exceeds the requirements of BS EN 12004 for a C1T tile adhesive.

TECHNICAL DATA – CX-24 ESSENTIAL TILE ADHESIVE

DATE ISSUED: 13.05.2025 Ref: DUN CX-24/001

MIXING

Mix in the ratio of approx. 2.5 parts powder to 1 part water by volume. This 20kg bag requires approximately 5.6 litres of cold, clean water. Add the powder to water and mix thoroughly until a smooth uniform consistency is obtained. Allow mixed adhesive to stand for 1-2 minutes before remixing for 30 seconds. Use within 5 hours of mixing (at room temperature). Do not use below 5°C.

NOTE: If using an electric drill mixer, blend at slow speed (i.e. under 300rpm).

APPLICATION

1. Spread the adhesive with a suitable notched trowel to cover approximately 1m² or an area that can be tiled within 15-20 minutes. Spread adhesive so ribs all go in one direction to help achieve solid bed. DO NOT use "Dot and Dab" method.
2. For floor tiling, large format wall tiles, wet areas and exterior situations, a solid-bed trowel must be used.
3. Press the dry tiles firmly into the adhesive, checking periodically that good contact is maintained with the backs of the tiles. Back buttering of large format tiles may be necessary. Tiles should be fixed within 15-20 minutes of adhesive being applied, depending on the surface porosity and atmospheric conditions (check the adhesive ribs periodically and if a skin has formed, remove the residue and apply a new layer). Tiles can be adjusted up to 20 minutes after initial positioning.
4. Leave minimum 2mm joints between wall tiles and 3mm joints between floor tiles.
5. Remove all surplus adhesive from tiles and joints with a damp sponge/cloth before it sets.
6. Ensure adhesive is fully set before grouting. This will help avoid possible issues with grout finish. – for example, efflorescence or patchy grout.

NOTES

This product is fully resistant to water, however, being cement-based it is not impervious to passage of water. To improve flexibility & adhesion use DUNLOP FLEXIBLE ADDITIVE (pre-diluted 1:1 by volume with clean cold water). When protecting water-sensitive backgrounds apply a tanking membrane to the background such as DUNLOP SHOWER WATERPROOFING KIT.

COVERAGE

Depends on the nature and flatness of the surface and the method of application, but on a level background the amount of adhesive required at 3mm thickness will be: approx. 2kg/m² for dry wall areas. Approx. 3.5kg/m² for floors, exterior and wet areas.

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.