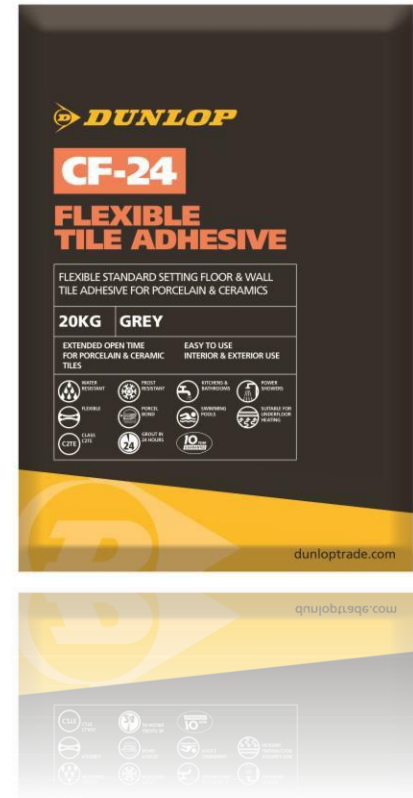


TECHNICAL DATA – CF-24 FLEXIBLE TILE ADHESIVE

DATE ISSUED: 13.05.2025 Ref: DUNCF-24/002

DUNLOP CF-24 FLEXIBLE TILE ADHESIVE



TECHNICAL SUMMARY

Size	20kg
Colour	Grey & White
Classification	C2TE
Composition	Improved cementitious adhesive with reduced slip and extended open time.
Coverage (20kg bag)	At 3mm thickness: 2kg/m ² for dry wall areas 4g/m ² for floors, exterior and wet areas
Pot Life*	5 Hours
Open Time*	30 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.

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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) BS 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). BS Standards recommend at least 2 weeks from completion of grouting before the shower can be used.
Swimming Pools	✓	Do not fill pool for at least 3 weeks after completion of the grouting and movement joints. 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	✓	The underfloor heating should be commissioned before tiling can be started. The use of DUNLOP PROCOVER UNCOUPLING MAT maybe required. Contact DUNLOP TECHNICAL HELPLINE for more information NOTE: Ensure the underfloor heating is re-commissioned correctly after tiling.
Electric Undertile Heating	✓	Apply a suitable DUNLOP floor smoothing and levelling compound and leave to dry, such has DUNLOP LX-360 FIBRE LEVELLER. Apply DUNLOP PROCOVER UNCOUPLING MAT. The heating must not be switched on for at least 2 weeks after completion of the grouting. Check with the manufacture of the undertile heating system. For advice, contact DUNLOP TECHNICAL HELPLINE

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

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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.
Calcium Sulfate-based screeds i.e. Anhydrite:	✓	Ensure the screed has been laid and prepared in accordance with the manufacturer's recommendations. Generally, they require sanding and have a moisture content of less than 0.5% (measured using the carbide method). Prime the screed with 2 coats of DUNLOP MULTI-PURPOSE PRIMER. The first coat diluted 1:1 by volume with water, second coat undiluted 90 degrees to the first coat. Allow to dry in between coats and the second coat should also be touch dry
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 1part primer to 4 parts water by volume. Allow primer to dry. NOTE: Do not tile to bonding/browning plaster. The maximum weight of tiling to plaster (including the tile adhesive) is 20kg per m ²
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.
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 dapped 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:	✓	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. 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:	✓	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).
Underfloor heating:	✓	For advice, contact DUNLOP TECHNICAL HELPLINE.

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

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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	✓	Use only DUNLOP products with the Porcel Bond icon to install porcelain tiles. (note the choice of DUNLOP tile adhesive will also depend upon the background to which the tiles are to be fixed.
Natural Stone – translucent / water sensitive including resin agglomerated stone)	×	
Natural Stone – non translucent	×	
Mosaics - ceramic	✓	Supplied on sheets, mesh/paper or plastic. Follow manufacture instruction on installation (note it is better to stagger the sheets when fixing).
Mosaics - porcelain	✓	Supplied on sheets, mesh/paper or plastic. Follow manufacture instruction on installation (note it is better to stagger the sheets when fixing).
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 CF-24 FLEXIBLE TILE ADHESIVE is a water-resistant flexible powder-based tile adhesive, suitable for bed thickness from 2-6mm or up to 12mm in limited, isolated areas. For use in interior and exterior areas. Mixed with water, it is suitable for fixing floor and wall tiles including ceramics, porcelain, mosaics, quarry and brick slips. Suitable for interior and exterior areas including patios. Tiles may be grouted 24 hours after fixing. The set adhesive is frost and water-resistant and can be used in showers, or under continuous immersion e.g. swimming pools. DUNLOP CF-24 FLEXIBLE TILE ADHESIVE exceeds the requirements of BS EN12004 for a C2TE tile adhesive

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MIXING

Mix in the ratio of approx. 3 parts powder to 1 part water by volume. This 20kg bag requires approximately 5.6 litres of cold, clean water. Add the powder to clean water and mix thoroughly until a smooth uniform consistency is obtained. Allow mixed adhesive to stand for 1-2 minutes before re-mixing 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 300 rpm).

If adhesive feels to be firming up before 5hr pot life (at room temperature) is exceeded, you can re-mix but DO NOT add any more water.

Note adhesives will have a shorter working time and pot life during higher site temperatures i.e. in excess of 20°C and, conversely these will be extended in colder site temperatures. Temperatures on site should be at least 5°C and rising.

APPLICATION

1. Spread the adhesive with a suitable notched trowel to cover approximately 1m² or an area that can be tiled within approx. 30 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 approx. 30 minutes of adhesive being applied, depending on the porosity of the surface and the atmospheric conditions (touch the adhesive ribs periodically and if a skin has formed, remove the adhesive 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. 4kg/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 Email: info@building-adhesives.com

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.