



Ultralite D2

Ultralite
Technology™

Ready for use brilliant white lightweight water resistant adhesive with high yield for ceramic wall tiling

CLASSIFICATION IN COMPLIANCE WITH BS EN 12004

Ultralite D2 is an adhesive with slip resistance (T), extended open time (E) of a class D2TE.

WHERE TO USE

- For installing porous bodied ceramic tiles and mosaics onto internal walls and highly deformable substrates.
- For use in both commercial and domestic shower/wet areas.
- For use with slightly larger format porous bodied ceramic tiles up to 350 mm x 350 mm or a variant of i.e 500 mm x 200 mm.

Some application examples

- Fixing tiles to plasterboard, plaster walls, tile backer boards.
- Painted surfaces.
- Existing tile surfaces.
- Render walls.

TECHNICAL CHARACTERISITICS

Ultralite D2 is a light weight water dispersion adhesive based on acrylic resins and lightweight fillers and additives.

Ultralite D2 is a ready to use paste and has excellent initial grab. The viscosity of the paste enables easy troweling on to vertical surfaces.

RECOMMENDATIONS

- Recommended for internal use on walls only.
- Not recommended for full submersion.
- Not for use with natural or agglomerated stone materials.
- Not for use on non absorbent surfaces with non absorbent tiles.

Application procedure

Substrates must be consistently flat, free of oil, grease, wax, crazing, loose particles, laitance and also free from residual or permanent water.

Substrates must be dry and cured in accordance with

BS 5385 part 1. Substrates must strong enough to take the imposed load and be fully supported so as not to deflect. Any paint must be sufficiently boned to the substrate.

Apply the adhesive to the substrate using a suitable notched trowel. The adhesive can be combed on the substrate and back buttered on the reverse of the tile but the finish of the adhesive thickness must not exceed 5mm. Larger tiles should be back buttered.

The open time of the adhesive in normal temperatures and humidity is approximately 30 minutes. The tiles must be fixed in this time. If the adhesive forms a skin then the adhesive should be removed and fresh applied.

Apply the tiles into the wet adhesive and compress firmly with a twisting/sliding motion to ensure good contact with tile, adhesive and wall. Randomly remove tiles to ensure good coverage of adhesive is achieved.

Grouting and sealing

Tiles measuring up to 350 mm x 350 mm fixed with **Ultralite D2** can be grouted after 12 hours. Drying times are dependent on humidity, temperature and porosity of materials.

Expansion joints must be sealed with an appropriate MAPEI Sealant such as **Mapesil AC**.

READY FOR USE

Ready for use after 7-14 days dependent on surfaces and tiles used.

Cleaning

While fresh the **Ultralite D2** can be removed from tiles, tools and hands with water.

CONSUMPTION

Ultralite D2 is a high yield dispersion adhesive and can cover up to 8-12 m² per unit. Coverage is dependent on size of tile installed and size of notch used on trowel.

PACKAGING

12.5 kg bucket.

Ultralite D2



TECHNICAL DATA (typical values)

TECHNICAL DATA

Consistency:	light paste
Colour:	brilliant white
Density:	1.2
Dry solid content (%):	70
Brookfield viscosity (Pa·S):	700

COMPOSITION AND PROPERTIES OF THE MIXTURE (at +23°C - 50% R.H.)

Application temperature range:	+5°C to +35°C
Open time:	approx. 30 minutes
Adjustability time:	40 minutes
Grout: – tiles: up to 350 mm x 350 mm:	after 12 hours
Ready for use:	after 7 days

FINAL PERFORMANCE CHARACTERISTICS

Shear adhesion strength accordingly to EN 1324 (N/mm ²): – initial shear strength:	> 1
Shear adhesion strength after heat ageing exceeds minimum requirements of BS EN 12004 Type D2T:	> 1
Shear adhesion after water immersion:	> 0.5
Resistance to moisture:	good
Resistance to ageing:	excellent
Resistant to solvents and oils:	poor
Resistant to acids and alkalis:	poor
Temperature when in use:	from -30°C to +90°C
Deformability:	deformable

STORAGE

Ultralite D2 can be stored for up to 12 months in the original packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultralite D2 is not considered as dangerous according to the current regulations regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for the handling of chemicals.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

N.B.

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application.

No warranty can be given or responsibility accepted other than, that the product supplied by

us will meet our written specification.

End users should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.co.uk.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.co.uk



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