



Technical Data Sheet



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UltraForce Floor Tile Adhesive & Grout

CHARACTERISTICS

- Ready to use floor tile adhesive and grout
- For wood and concrete floors
- Waterproof
- Fixes tiles up to 600 x 300mm
- Easy to apply
- For fixing and grouting porcelain, glazed ceramic, and mosaic tiles
- Triple Protection mould resistance – Repels, kills, lasts
- Lifetime guarantee



APPLICATION FIELD

A mould resistant, ready mixed thin-bed tile adhesive for the interior fixing of porcelain, glazed ceramic, and mosaic floor tiles to prepared wood and concrete floors. Also suitable for grouting the tile joints after fixing (up to 12mm joint width). Includes an enhanced mould protect system. Suitable for fixing tiles to most bare wood and concrete floor surfaces

COMPLIANCE WITH STANDARDS

UniBond UltraForce Wall Tile Adhesive & Grout conforms to the performance requirements of BS EN 12004-1:2017 (*Adhesives for ceramic tiles – Requirements, assessment and verification of constancy of performance, classification and marking*) – Type D2E (*Improved dispersion tile adhesive with extended open time for interior wall tiling*)



TECHNICAL DATA

Composition:	A filled acrylic copolymer emulsion, with fungicide added.
Appearance:	Grey paste.
Cure type:	Water evaporation
Odour:	Slight odour whilst drying.
Density: (g/cm³)	1.65
pH:	Typically 7.5 - 9.0
Viscosity:	Typically 20,000 - 40,000 poise
Application temperature range:	From +10°C to +35°C
Coverage:	approx. 3.6m ² /14.3kg, 1.8m ² /7.3kg
Shelf life:	At least 24 months in original sealed packaging.

Composition and properties of the mixture at 23°C and 50% R.H.

Open time:	Approximately 30 minutes.
Time before grouting:	At least 72 hours.
Thermal:	Suitable for service temperature up to 70°C.
Fire:	Class F.

DECLARED PERFORMANCE

Essential characteristic	Performance	Harmonised technical specification
Bond strength as		EN 12004:2017-1
Initial shear adhesion strength	≥ 1 N/mm ²	
Durability of bond strength as:		
Shear adhesion strength after heat ageing	≥ 1 N/mm ²	
Shear adhesion strength after water immersion	≥ 0.5 N/mm ²	
Shear adhesion strength at elevated temperatures	≥ 1 N/mm ²	
Open time: Tensile adhesion strength after not less than 30 min.	≥ 0.5 N/mm ²	
Reaction to fire	Class F	
Release of dangerous substances	See MSDS	



LIMITATIONS

Only for use with porcelain, fully glazed ceramic and mosaic Floor tiles on prepared wood and concrete floors. Do not use with other tile types such as unglazed or natural stone tiles.

Concrete floors must be absorbent, dry and, have an effective damp-proof membrane at least 10mm below the floor surface. If necessary, level uneven floors using a suitable floor levelling compound

Wooden floors must be absorbent (i.e. not coated) and constructed of at least 15mm plywood, which has been screwed securely through the joists at 300mm centres. Floor boards and other types of wooden floor must be over laid with 15mm plywood and firmly fixed as described above before tiling. Ensure that the floor surface is flat, rigid, dry and free from grease, old adhesive, paint, varnish, polish and dust. Old, dusty concrete floors should be primed with a PVA primer.

Maximum tiles size is 300mm x 600mm on porous backgrounds.

For interior use only. Not suitable for areas of constant immersion or permanent damp such as wet rooms or shower floors.

Not to be used for installing, or bedding in, a new underfloor heating system.

IMPORTANT:

This is a thin bed adhesive. Do not use more than 3mm bed depth.

If in doubt, contact our technical helpline for further assistance.

STORAGE

Store in cool dry conditions. Protect from frost. Shelf life is at least 24 months in original sealed packaging.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available to download from mymds.henkel.com.

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