

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

LEVELMAX BondMax MS40 is a professional-grade, one-component flooring adhesive based on advanced MS Polymer (Modified Silane) Technology. Designed for fast-track timber flooring installations, BondMax MS40 delivers strong initial grab, excellent elasticity, and rapid strength development while maintaining the long-term performance expected from premium MS Polymer adhesives. Its solvent-free and isocyanate-free formulation provides a safer working environment and is suitable for engineered timber, solid timber, bamboo, and parquet flooring installations.

BondMax MS40 is supplied in a convenient 600ml sausage format for efficient application and reduced material waste.

KEY FEATURES

- Fast Installation: Approx. 40-minute open time, Strong initial grab, Faster project completion.
- High Performance Bond: Permanent elastic bond, Excellent dimensional stability, Suitable for timber floor movement.
- Timber Safe: Solvent free, Water free, No timber swelling or cupping.
- Installer Friendly: Smooth extrusion, Easy gun application, Minimal stringing.
- Low VOC: Solvent free, Isocyanate free, Low odour, Green Building friendly.



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Property	Value
Product Type	MS Polymer Adhesive
Consistency	Thixotropic Paste
Colour	Light Timber / Beige
Density	1.41 ± 0.03 g/cm³
Solids Content	100%
VOC Content	<1 g/kg
Packaging	600ml Sausage
APPLICATION DATA (at +23°C and 50% R.H.)	
Open Time	Approx. 40 minutes
Adjustment Time	Approx. 60 minutes
Set to Light Foot Traffic	After 12 hours
Full Cure	After 48 hours
Application Temperature	+10°C to +35°C
FINAL PERFORMANCE (after 7 days at +23°C)	
Shore A Hardness	48
Shear Strength (Standard)	>1.5 MPa
Shear Strength (Thermal Aged at +60°C)	2.2 MPa
Elongation at Break	320%
Service Temperature	-40°C to +90°C

AREAS OF APPLICATION

Suitable Flooring:

Engineered Timber Flooring
Solid Timber Flooring
Bamboo Flooring
Parquet Flooring

Suitable Substrates:

Concrete
Cement Screeds
Plywood
Particleboard
Existing Ceramic Tiles (properly prepared)
Underfloor Heating Systems

APPLICATION PROCEDURE

Surface Preparation

All substrates must be:

Structurally sound
Clean and dry
Free from dust, oil, grease, wax, paint and contaminants
Compliant with AS1884 moisture requirements

Concrete and screeds must be fully cured before installation.

Existing tiled surfaces must be mechanically abraded and thoroughly cleaned.

Application

1. Insert the 600ml sausage into a suitable sausage applicator gun.
2. Cut the nozzle to the desired bead size.
3. Apply continuous adhesive beads evenly across the substrate.
4. Place timber flooring into the wet adhesive.
5. Press firmly to ensure proper adhesive transfer.
6. Periodically lift boards to verify adhesive contact.

Important

Only apply as much adhesive as can be covered within the stated open time.

Cleaning

- **Fresh Adhesive:** Remove immediately using a clean cloth and methylated spirits.
- **Cured Adhesive:** Can only be removed mechanically.

PACKAGING & STORAGE

Packaging: 600ml Aluminium Sausage

Shelf Life: 12 months in original unopened packaging.

Storage: Store in a cool dry place between +5°C and +25°C.

Protect from direct sunlight and moisture.

LIMITATIONS

Do not apply below +10°C or above +35°C.

Do not install on wet substrates.

Not suitable for permanent water immersion.

Not intended for structural bonding applications.

Product is intended for professional flooring installation only.

DISCLAIMER

The information provided in this Technical Data Sheet is based on laboratory testing and practical experience. It is intended as a guide only. As site conditions, substrate quality, and application methods are beyond the control of LevelMax Australia, users should verify suitability through preliminary testing. Liability is limited to replacement of defective product.

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