



TECHNICAL DATA SHEET

SETTO SUPREME S75

Advanced MS Polymer Timber Flooring Adhesive System



PRODUCT DESCRIPTION

Setto Supreme S75 is a premium, single-component, moisture-curing MS hybrid adhesive (silane-terminated polymer) developed for professional timber flooring installations. This advanced, solvent-free, isocyanate-free, ultra-low VOC formulation delivers exceptional performance as a true **3-in-1 system** — providing high-strength adhesion, a permanent moisture barrier, and superior acoustic insulation — when applied with full 100% subfloor coverage using a 5 mm or 6 mm V-notch trowel.

FIELDS OF APPLICATION

Setto Supreme S75 is suitable for the installation of:

- ❖ Solid timber flooring
- ❖ Engineered timber flooring
- ❖ Multi-layer parquet systems
- ❖ End-grain wood blocks
- ❖ Bamboo flooring
- ❖ Cork flooring systems
- ❖ Dimensionally sensitive and exotic timber species

Suitable substrates include:

- ❖ Cementitious screeds and concrete substrates
- ❖ Suitable levelling compounds (fully cured)
- ❖ Timber-based panels (plywood, particleboard)
- ❖ Existing, properly prepared substrates
- ❖ Subfloors incorporating underfloor heating systems

TECHNICAL DATA

Property	Value
Chemical Base	Silane-Terminated Polymer
Colour	Light Yellow
Cure Mechanism	Moisture curing
Density	approx. 1.6 g/cm ³
Skin Formation Time	approx. 30–60 minutes
Open Time	20 – 40 minutes
Full Cure Rate	approx. 3 mm / 24 h
Shore A Hardness	approx. 35–50
Tensile Strength	≥0.8 MPa
Elongation at Break	≥200
VOC Content	< 50 g/L
Service Temperature	-40°C to +90°C

Application rate: For full-coverage bonding, consumption ranges from 700~1000 g/m² depending on the trowel notch size. For strip bonding, approximately 44 ml per linear meter, equating to 200~400 g/m² depending on the spacing of the adhesive strips.

All values are indicative and subject to variation depending on environmental conditions.

KEY PRODUCT ADVANTAGES

- ❖ Solvent-free, isocyanate-free, extremely low VOC emissions
- ❖ Fully compliant with GBCA Green Star requirements (Certificate P25120084)
- ❖ Rheologically optimised for superior trowelability and excellent non-slump ridge retention
- ❖ Non-shrinking and dimensionally stable during and after cure
- ❖ Easily removed from prefinished timber surfaces while wet
- ❖ Rapid strength development and short curing time
- ❖ Forms a strong, permanently elastic, and durable bond
- ❖ Outstanding acoustic performance exceeding Building Code of Australia (BCA) requirements
- ❖ Creates a continuous, permanent moisture-resistant film upon full cure
- ❖ Low odour during application; cures to a sandable, rubber-like consistency
- ❖ Fully compatible with radiant (underfloor) heating systems
- ❖ Excellent sound dampening and impact noise reduction properties

MARKET-LEADING 3-IN-1 SYSTEM BENEFITS

- ❖ Single-product solution replaces separate adhesive, liquid-applied moisture barrier, and acoustic underlay
- ❖ Substantial reductions in installation time, labour, material costs, and site waste
- ❖ Monolithic application delivers seamless, uniform performance with no risk of delamination
- ❖ High-level in-situ moisture protection without supplementary barrier products
- ❖ Superior airborne and impact sound reduction achieved in one application step
- ❖ Simplified logistics, reduced stockholding, and streamlined installer training
- ❖ Minimised installation risks including hollow spots, bonding failures, and callbacks

SUBFLOOR PREPARATION

- ❖ Concrete: structurally sound, clean, dry, flat (maximum 3 mm deviation in 3 m), free from dust, grease, oils, sealers, curing compounds, and residual adhesives.
- ❖ Moisture testing required: if > 6 % CM or > 85 % RH, additional moisture protection measures are recommended.
- ❖ Radiant heating: switch off 24 hours prior to installation and during adhesive cure.
- ❖ Timber subfloors: sand to a flat, clean, dry surface; ensure no squeaks or movement.
- ❖ Ambient conditions: 10–40 °C and 40–80 % relative humidity.

INSTALLATION PROCEDURE

1. Remove lid and protective foil liner; use entire contents promptly once opened.
2. Apply evenly using a 5–6 mm V-notch trowel held at a 45° angle.
3. Place flooring elements into the wet adhesive bed in accordance with the flooring manufacturer's guidelines.
4. Ensure minimum 80 % adhesive transfer for structural bonding; achieve 100 % coverage for full moisture and acoustic performance.
5. Apply firm pressure (weighting recommended where necessary); remove spacers/wedges after approximately 2 hours.
6. Maintain manufacturer-specified expansion gaps.
7. Foot traffic: after 24 hours | Light sanding: possible after 24 hours.

Cork / Fibre Underlay Application Spread Setto Supreme S75 evenly, then lightly mist the adhesive surface with water ($\approx 20 \text{ g/m}^2$) to accelerate curing. Allow full hardening before installing overlay timber flooring.



CLEAN-UP

Wet / Uncured Adhesive

- ❖ Tools & equipment: Wipe immediately with a dry cloth, then clean with acetone or mineral spirits if needed.
- ❖ Prefinished timber surfaces: Gently wipe spills with a dry cloth. For residue, use a lightly solvent-dampened cloth (test first).
- ❖ Skin: Wash thoroughly with soap and water.
- ❖ Clothing: Treat with acetone/mineral spirits (test fabric), then launder.

Cured / Hardened Adhesive

- ❖ Mechanical removal only: Use a scraper, putty knife, or oscillating tool.
- ❖ Stubborn residue: Soften slightly with mineral spirits or isopropyl alcohol, then scrape.
- ❖ Tools: Mechanically remove or use a dedicated cured MS polymer remover.

General Tips

- ❖ Clean wet adhesive promptly to avoid curing.
- ❖ Avoid aggressive solvents (e.g., MEK) unless tested.
- ❖ Wear gloves and ensure ventilation when using solvents.
- ❖ Refer to the latest SDS for full safety and disposal details.

PACKAGING & STORAGE

Shelf life: 12 months in original, unopened packaging when stored at 5–25 °C

Packaging formats: 10 L / 15 kg pails | 590 ml sausages

HEALTH & SAFETY

- ❖ Not classified as hazardous under GHS criteria
- ❖ May cause mild skin or eye irritation in sensitive individuals — refer to the latest Safety Data Sheet (SDS)
- ❖ GBCA Green Star Certificate: P25120084
- ❖ Chinese standard JC/T 485-2007: All parameters passed (Test Report 20260129)
- ❖ Independently verified by NATA-accredited laboratories

Important Notice This technical data sheet is provided for general information purposes only. The applicator is responsible for verifying product suitability and compatibility under actual project conditions prior to use. Seven Fusion Pty Ltd accepts no liability for failures or issues arising from incorrect storage, preparation, application, or use. Full test certificates, project-specific recommendations, and technical support are available upon request.

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