TECHNICAL DATA SHEET

SEALSUM FLOORSET PRO

Professional 4 in 1 Hybrid Timber Flooring Adhesive

DESCRIPTION

SEALSUM FLOORSET PRO is a high-performance, single-component hybrid polymer timber flooring adhesive designed for direct stick applications over concrete, plywood, cement screed and other common prepared subfloors.

Formulated with MS Polymer technology, FLOORSET PRO provides a strong, elastic and permanent bond while helping accommodate natural timber movement, substrate expansion and temperature variation. Its smooth, workable consistency supports even application, reliable adhesive contact and long-term flooring performance.

When applied as a full adhesive bed with appropriate coverage, FLOORSET PRO provides excellent moisture resistance and acoustic performance.

FEATURES

- Professional hybrid timber flooring adhesive for direct stick applications
- One-component, moisture curing formula — no mixing required
- Easy trowelling with smooth workability
- Strong, elastic and permanent bond for timber flooring systems
- Helps absorb substrate movement caused by shrinkage, expansion and temperature variation
- Excellent moisture resistance once cured
- Supports acoustic performance and footfall sound dampening
- Crack suppression properties help reduce stress transfer from the substrate
- Solvent-free and isocyanate-free formulation
- Low VOC compared with epoxy-based systems
- Suitable for use with underfloor heating
- Suitable for solid timber, engineered timber, rubber tiles and acoustic matting.
- 4 in 1 performance: strong bonding, elastic movement and crack suppression, moisture resistance, and acoustic performance

USES

- Solid timber and engineered wood flooring
- Strip, overlay and parquetry flooring
- Luxury Vinyl Tiles (LVT) over properly prepared concrete and timber substrates
- Selected flooring applications over properly prepared steel substrates
- Timber flooring systems installed over approved underfloor heating systems
- Rubber tiles and acoustic matting
- Substrates: concrete, plywood, cement screed, existing wooden parquet floors, ceramics, marble, anhydrite, particle board and radiant heated subfloors

Note: Not recommended for prefabricated hardwood flooring with varnished underside, or traditional hardwood flooring without tongue and groove

SPECIFICATIONS

Properties	Test result
Main Ingredient	MS Polymer (Hybrid Modified)
Curing system	Moisture curing
Colour	White / Grey / Beige
Surface hardening time (23℃)	60 minutes
Density (g/㎤)	1.45
Viscosity (Pa•s)	700-900
Pot life (minutes)	60-90
Adjustable time (hr)	3 hr Max.
Walkable time (hr)	After 12 hr
Time to Sand (day)	After 3 days
Curing speed (㎜/24hr)	2-2.5
Hardness (Shore A)	45-55
Adhesive strength (N/㎟)	2.2
Elongation at break (%)	200-250
Shelf Life (month)	12

** Depends on temperature, humidity, surface permeability, etc.*

COVERAGE

Flooring Type	Trowel	Coverage
Parquetry	V Notch 3mm	15 – 18 m² per pail
Strip / Overlay / Engineered	V Notch 4–5mm	8 – 14 m² per pail
General (standard usage)	—	1,200 – 1,500 g/m²

** Guidance only. Figures may vary depending on substrate properties, workmanship, etc.*

APPLICATION INSTRUCTIONS

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SUBSTRATE PREPARATION

- Subfloor must be clean, dry, structurally sound and flat (max. 3mm over 3 metres).
- Remove all dust, dirt, grease, wax, oil, loose paint and any other contaminants. Clean with an industrial vacuum cleaner.
- Any existing coatings or adhesives must be completely removed. Mechanical treatment (grinding, shot blasting) may be required.
- Assess slab moisture. If moisture content exceeds recommended limits, apply appropriate waterproofing pretreatment or vapour barrier.
- Radiant heated subfloors: turn off heating 24 hours prior to and during installation.
- Ceramic/marble floors: degrease thoroughly and allow to dry completely before bonding.
- Timber subfloors (particleboard/plywood): sand flat all joints, ensure surface is clean, dry and does not squeak.
- Anhydrite substrates: mechanically sand the surface and thoroughly vacuum all dust before applying a suitable primer.

APPLICATION

- Remove lid and foil liner from the pail. Once opened, minimise exposure to air. If previously opened product is reused, remove any cured surface film before application and reseal the remaining product immediately after use.
- Apply adhesive to the substrate using the correct notched trowel at a 45-degree angle. Ensure even spread; avoid adhesive pools.
- Apply adhesive within approximately 60 minutes at +23 °C / 50% RH (before skin-over).
- Press the flooring firmly into the adhesive to achieve uniform and continuous adhesive contact in accordance with the flooring manufacturer's installation requirements. Periodically lift a board during installation to confirm adequate adhesive transfer.
- Leave 10–15 mm expansion gap from walls and fixed objects as per flooring manufacturer's instructions.
- Place weights or wedges to hold flooring in place. Remove wedges after initial set (approx. 2 hours) to allow for normal wood expansion. Failure to remove wedges may cause flooring to buckle or lift from the subfloor.
- Restrict foot traffic for a minimum of 12 hours. Wait 3 days before sanding or polishing.

CLEANING

- Remove uncured adhesive immediately with a clean cloth or isopropyl alcohol.
- Once cured, residual adhesive can only be removed mechanically.

PRECAUTIONS

- Do not apply when temperature is below +5 °C or above +35 °C. Recommended relative humidity during installation: 40% – 80%, subject to the requirements specified by the flooring manufacturer.
- Maintain appropriate indoor humidity for substrate and wood prior to installation.
- Do not dilute the adhesive or mix with other products.
- Do not use on wet, dusty, contaminated, or friable substrates.
- Keep out of reach of children. Avoid heat, fire and direct sunlight.
- Store in original unopened containers in a dry place at less than +25 °C.

RESTRICTIONS

- Not recommended for prefabricated hardwood flooring with varnished underside.
- Not recommended for traditional hardwood flooring without tongue and groove.
- Do not use on wet surfaces (water content exceeding 3%).
- Products stored above +50 °C or that have been frozen must not be used.
- Not resistant to organic acids or concentrated caustic solutions.
- Will not prevent damage induced by excessive moisture transmission from water leaks or hydrostatic pressure.

HEALTH & SAFETY

May cause allergic skin reaction. Causes serious eye irritation. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. If skin irritation or rash occurs, seek medical advice. Keep out of reach of children. For further health and safety information, refer to the Safety Data Sheet (SDS).

FIRST AID

Eye contact: Immediately flush eyes with running water for at least 20 minutes. Seek medical attention.

Skin contact: Flush skin with running water for at least 20 minutes. Remove contaminated clothing. Seek medical attention.

Inhalation: Move person to fresh air. Keep warm and at rest. Seek medical attention immediately.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention immediately.

AUSTRALIAN POISONS INFORMATION CENTRE: 13 11 26 (24 HOUR SERVICE) | EMERGENCY: 000

DISPOSAL

- Do not contaminate waterways or the environment.
- Dispose of unused product and empty packaging responsibly in accordance with Australian standards and local regulations.

NOTES

The details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of publication. Product properties may change with product improvement, and the content of this Technical Data Sheet is subject to change without notice.

- Not for outdoor bonding applications.

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- Avoid exceeding the recommended quantity of adhesive.
- As this is a moisture-curing product, open time and hardening rate may vary significantly depending on ambient temperature and humidity conditions.
- To be read in conjunction with the Safety Data Sheet (SDS). SDS available at www.sealsum.com.au or upon request.

DISCLAIMER

To the maximum extent permitted by law, SEALSUM disclaims all warranties in relation to any loss or damage resulting from use of out-of-date product, incorrect use of the product, or negligence. In the event of a product defect, SEALSUM's liability is limited to the replacement or refund of the affected product. Data was developed by researchers in SEALSUM's in-house laboratory based on hands-on experience. Consult SEALSUM should you have any doubts.

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MAY 2026

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