

SafePave® Reinforcement Tape 300 (SPRT)

Technical Data Sheet

Product: SafePave® Reinforcement Tape 300 (SPRT)

Category: Structural Reinforcement Tape

Application: Crack containment and safety reinforcement of tiles and pavers

Product Description

SafePave® Reinforcement Tape 300 (SPRT) is a high-performance, fibreglass-reinforced adhesive tape designed to improve the safety of brittle tiles and pavers.

The product consists of a 300 g/m² woven fibreglass reinforcement layer integrated within a modified acrylic pressure-sensitive adhesive system, providing strong adhesion to porcelain, ceramic, and natural stone surfaces.

When applied to the underside of tiles or pavers, **SPRT** forms a reinforced layer that helps contain cracks and reduce the risk of breakthrough.

SPRT is specifically designed for **retrofit applications**, allowing existing installations to be upgraded without removal.

Key Features

- Helps prevent tile and paver breakthrough
 - Contains cracked tiles to reduce safety risk
 - High-strength woven fibreglass reinforcement
 - Strong adhesion to porcelain and natural stone
 - Designed for low surface energy (LSE) and textured surfaces
 - Thin profile – minimal build-up
 - Peel-and-stick installation
 - No curing or specialist trades required
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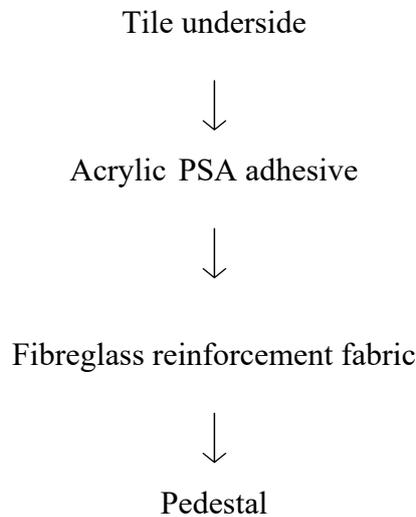
Typical Applications

SPRT is suitable for:

- retrofit reinforcement of existing tiles and pavers
- reinforcement of new tiles and pavers
- structural porcelain tiles
- high-traffic areas
- safety upgrades in existing installations

Product Construction

Typical structure (tile side → exposed side):



- Silicone release liner
- High-tack modified acrylic PSA
- 300 gsm woven fibreglass reinforcement
- Modified acrylic PSA (embedded within reinforcement)

Technical Data

Reinforcement Layer

Property	Typical Value
Material	Woven E-glass
Weight	300 g/m ² (±10%)
Construction	Continuous filament
Tensile strength (warp/weft)	≥ 800 N / 50 mm

Adhesive System

Property	Typical Value
Type	Modified acrylic PSA (LSE grade)
Adhesion to porcelain	≥ 25 N / 25 mm
Initial tack	High
Service temperature	-40°C to +120°C
Shear performance	High (designed for load transfer)

Physical Properties

Property	Value
Total thickness (no liner)	0.38 – 0.50 mm
Width tolerance	± 0.5 mm
Length tolerance	$\pm 1\%$

Performance Characteristics

SPRT provides:

- crack containment of brittle materials
- improved safety in the event of tile fracture
- reinforcement of tile underside
- strong adhesion to difficult surfaces
- compatibility with SafePave structural systems

SPRT is designed for **safety and containment**, not structural stiffening.

Testing and Compliance

Overview

SafePave® products are designed to improve the safety and structural performance of brittle tiles and pavers used in raised floor systems.

Testing is conducted at both:

- **material level** (adhesion, tensile, foam performance)
- **system level** (crack containment, impact behaviour, load distribution)

Testing is ongoing as part of continuous product development. See Attachment.

Installation

1. Ensure tile underside is clean and dry
 2. Remove release liner
 3. Apply **SPRT** to full coverage of tile underside
 4. Trim to size
 5. Apply firm pressure using a silicone roller to ensure full adhesion
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Storage

Store product:

- between 15°C and 25°C
- in dry conditions
- protected from contamination and UV exposure

Shelf life: **12 months**

Limitations

- Does not provide structural stiffness
 - Does not replace structural backing systems (**SSS** or **SSS-E**)
 - Performance depends on surface preparation
 - Not intended as a load-bearing layer
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Warranty

Covered by **Clever Building Products Limited Product Warranty – 25 Years** when installed in accordance with **SafePave** guidelines.

Manufacturer

Clever Building Products

64 Nuwarra road, Moorebank, NSW
Australia

SafePave®

Safer Raised Floors

Making pedestal paving stronger, safer and more reliable.

