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TECHNICAL DATA SHEET

PVC VINYL SPAGHETTI CUSHION FALL ROLL WITH PVC BACKING — 8 MM

Document Control	Details
Product reference	PVC-SM-8-1200-12
Revision	01
Issue date	26 May 2026
Supplier	PVC Floor Tile (Pty) Ltd

1. Product Description

The 8 mm PVC Vinyl Spaghetti Mat is a flexible entrance and dirt-control mat manufactured from densely entangled PVC vinyl loops bonded to a solid PVC backing. The open-loop surface helps scrape dust, dirt, sand and moisture from footwear, while the solid backing helps contain debris and protect the floor beneath. The mat is supplied in a continuous roll measuring 1.2 m wide × 12 m long.

2. Product Identification

Property	Specification
Product name	PVC Vinyl Spaghetti Mat
Alternative names	PVC Coil Mat / PVC Noodle Mat / Vinyl Loop Entrance Mat
Product category	Entrance, dirt-control and anti-slip matting
Product format	Continuous roll
Surface material	Flexible PVC vinyl
Surface construction	Extruded, entangled PVC loop structure
Backing	Solid PVC backing
Installation	Loose-laid, cut-to-size or recessed installation

3. Dimensional and Weight Specifications

Property	Specification	Status
Nominal thickness	8 mm	Confirmed
Nominal roll width	1.2 m (1,200 mm)	Confirmed
Nominal roll length	12 m (12,000 mm)	Confirmed
Nominal roll area	14.4 m ²	Calculated
Nominal weight	3.5 kg/m ²	Confirmed supplied value
Calculated net roll weight	50.4 kg	Calculated
Estimated packaged weight	Approximately 51–53 kg	Estimated

4. Weight Calculation

Roll area: 1.2 m × 12 m = 14.4 m²

Net roll weight: 14.4 m² × 3.5 kg/m² = 50.4 kg

5. Mechanical and Performance Properties

Property	Specification	Status / Basis
Traction resistance	25 MPa	Confirmed
UV resistance	UV resistant	Confirmed
Water resistance	Good; PVC is non-absorbent	General PVC characteristic
Dirt scraping	Open PVC loops help remove dirt from footwear	Product function
Dirt retention	Debris settles between the loops	Product function
Moisture control	Loops help capture entrance moisture	Product function
Underfoot comfort	Flexible, lightly cushioned surface	Expected
Traffic suitability	Light to medium commercial pedestrian traffic	Recommended
Chemical resistance	Water, diluted neutral detergents and mild cleaners	General guidance

6. Estimated Manufacturing Tolerances

Important: The following tolerance values are working estimates based on comparable flexible PVC coil-matting products. They are not certified manufacturer tolerances.

Property	Estimated Tolerance / Range
Thickness tolerance	Approximately ±1 mm (about 7–9 mm)
Width tolerance	Approximately ±1% (about 1,188–1,212 mm)
Length tolerance	Approximately ±1% (about 11.88–12.12 m)
Weight tolerance	Approximately ±5%

Property	Estimated Tolerance / Range
Estimated net roll-weight range	Approximately 47.9–52.9 kg
Dimensional movement	Up to approximately 2% under temperature variation
Colour variation	Minor batch-to-batch variation may occur

7. Estimated Slip, Fire and Temperature Performance

Property	Estimated / Declared Information
Slip resistance	Comparable PVC coil matting is commonly approximately R10–R11; exact result requires testing
Fire performance	Not certified for this exact product; comparable PVC grades may range from DIN 4102 B2 to Bfl-s1/Cfl-s1
Suggested service temperature	Approximately –10°C to +60°C
Recommended normal-use range	Approximately 0°C to +45°C
Direct heat or flame	Not suitable
Outdoor use	Suitable for covered or protected outdoor entrances; long-term exposure should be assessed

8. Environmental and Chemical Compliance

Compliance Item	Current Status
REACH compliance	Expected for comparable products;
RoHS compliance	Expected for comparable products;
Phthalate content	Not Set
Heavy-metal content	Not Set
Indoor air-emission testing	None
VOC testing	Not Set
Recycled PVC content	None
Recyclability	PVC may be recyclable where suitable facilities exist
Safety Data Sheet	To be requested from manufacturer

9. Key Features

- 8 mm low-profile flexible PVC construction.
- Solid PVC backing for floor protection and moisture containment.
- Open-loop spaghetti surface for dirt and moisture capture.
- UV-resistant material.
- Traction resistance of 17 MPa.
- Easy to cut into entrance mats, runners and recessed sections.
- Suitable for vacuuming, brushing, washing and rinsing.

- Recommended for light to medium pedestrian traffic.

10. Recommended Applications

- Office and reception entrances.
- Retail stores and showrooms.
- Residential and apartment entrances.
- Schools, restaurants, hotels and hospitality areas.
- Covered walkways and protected outdoor entrances.
- Lift entrances, passages and service counters.
- Custom-cut entrance mats and long entrance runners.

11. Installation Guidelines

- Install over a clean, dry, level and structurally sound subfloor.
- Allow the roll to relax before measuring and cutting.
- Position the solid PVC backing against the floor.
- Check door clearance and secure exposed edges where a trip hazard may occur.
- For recessed installations, verify that the recess depth suits the actual 8 mm product.
- Use only adhesives approved for PVC-backed matting when permanent bonding is required.

12. Cleaning and Maintenance

- Vacuum regularly, including between the PVC loops.
- Shake out loose debris where practical.
- Wash periodically with water and diluted neutral detergent.
- Rinse thoroughly and allow both the mat and subfloor to dry before reinstalling.
- Avoid strong solvents, petrol-based cleaners, undiluted bleach, open flames and excessive heat.
- Inspect regularly for curled edges, tears, backing separation, crushed loops or movement.

13. Storage and Handling

- Store securely in roll form in a cool, dry and ventilated area.
- Avoid sharp folding, crushing, long-term direct sunlight and nearby heat sources.
- Because the roll weighs approximately 50.4 kg before packaging, use two-person handling or mechanical assistance.

14. Packaging Information

Property	Specification
Supply format	One continuous roll
Roll dimensions	1.2 m × 12 m
Coverage	14.4 m ²
Thickness	8 mm
Net roll weight	50.4 kg
Estimated packaged weight	51–53 kg
Packaging	Protective plastic film, woven wrapping or sleeve

15. Suggested Warranty

Suggested limited warranty: 12 months from date of purchase against manufacturing defects under normal indoor or covered-entrance use. This suggested warranty must be formally approved by PVC Floor Tile and aligned with the supplier's warranty.

16. Product Limitations

- Not intended for vehicle, forklift or heavy machinery traffic.
- Not suitable for welding areas, open flames, hot metal or aggressive chemical exposure.
- Not certified for fire-regulated escape routes.
- Not intended as electrical-insulation, anti-static or conductive flooring.
- Fully exposed outdoor use requires confirmation for the specific site conditions.

17. Technical Specification Summary

Property	Specification
Product	PVC Vinyl Spaghetti Mat with solid PVC backing
Nominal thickness	8 mm
Roll size	1.2 m × 12 m
Coverage	14.4 m ²
Weight	3.5 kg/m ²
Calculated net roll weight	50.4 kg
Traction resistance	17 MPa
UV resistance	Yes — UV resistant
Estimated slip classification	Approximately R10–R11; not certified
Fire classification	Not certified
Recommended traffic	Light to medium pedestrian traffic
Suggested warranty	12 months against manufacturing defects, subject to approval

18. Supplier Information

Field	Details
Supplier	PVC Floor Tile (Pty) Ltd
Website	www.pvcfloortile.co.za
Telephone	+27 11 568 9578
Email	sales@pvcfloortile.co.za
Product colour	All Major Colours
Batch number	N/A
Country of origin	South Africa