

Restec SA Carrier Layer Technical Datasheet

Introduction

Restec SA Carrier Layer is a versatile, high-performance self-adhesive carrier layer. The product is sand-faced and comprises a self-adhesive, rapid, and fully cold-applied application. Quick installation and the ability to provide fast waterproofing prior to additional layers is a significant advantage of using this product. Note: the carrier layer does not require priming prior to coating with the Flexitec / Flexitec Platinum System.

Key Features

- High-performance carrier layer
- Self-adhesive and waterproof
- Cold-applied without use of flames
- Excellent strength and tear and puncture resistance
- Fast installation



Typical Applications

- Over tissue faced insulation boards, OSB3 / plywood, or rough substrates (e.g. de-chipped felt)
- For use on new build or refurbishment projects

Surface Preparation and Installation

All surfaces must be dry, clean, smooth and free from contaminants. Apply a coat of Restec SA Primer as per manufacturer's instructions and allow to cure. Primer is available in either roller applied (10 litre tins) or spray applied (17kg pressurised canisters) versions. A separate data sheet is available for the primer.

Ensure temperature and surfaces are within the application temperature guidelines. DO NOT apply the product unless the temperature is at least 5°C and rising. At the lower end of the temperature range (applications between 5°C and 10°C) a Leister hot air gun may be used to increase adhesion of the product. This may assist on detailing work.

On a flat roof, rolls should be installed from the lowest point working up the roof ensuring overlaps do not create counter-gradient overlaps. All rolls should have a minimum 100mm overlap at side laps and 150mm at end laps. Note side and end laps must be fully supported. Once aligned remove half of the backing film at the lower end of the roll, apply the sheet, then remove the other half of the film, and press the membrane in place using a pressing roller taking care to avoid any air bubbles or wrinkles. If using a Leister type hot air gun, it should be noted that on laps that the upper part of the overlap should be heated prior to pressing.

On a sloping or pitched roof, apply the rolls from the highest point downwards. The membrane must be folded back 200mm-300mm at the ridge line and mechanically fixed. Whenever a roof's pitch is greater than 30%, the membrane must be mechanically fixed at overlaps. Any fixings must be covered by a lap and not left exposed.

Technical Data

Characteristics	Value	Test
Thickness	2mm	EN 1849-1
Tensile Strength	Long.400 N/50mm Trans.300 N/50mm	EN 12311-1
Elongation at Break	Long.35% (+15) Trans.35% (+15)	EN12311-1
Impact Resistance	Rigid Support – ≥400 mm Soft Support – ≥500 mm	EN 12691-A
Tear Resistance	Long.150N (+30%) Trans.150N (+30%)	EN 12310-1
Peel Resistance of Joints	≥20 N/10mm	ASTMD 1000
Water Vapour Properties	20000 μ (+20%)	EN1931
Application Temperature	+5°C / +35°C	-
Reaction to Fire	Class E	EN 13501-1

Dimensions & Packaging

Dimensions	15m x 1m
Overall Size of Roll	15m ² (Practical area 13.8m ² allowing for overlaps)
Thickness	2 mm

NB: 20 rolls per pallet.

Storage

Rolls should be stored indoors where possible, protected from moisture and from extremes of temperature (min +5°C and max +30°C). Rolls must be stored vertically and kept in their cardboard boxes. Part used rolls should be treated in the same manner. DO NOT leave rolls in a horizontal position and / or unboxed as the product may become deformed and unusable.

The product should be used within 12 months of purchase.