

TECHNOELAST K-PS 170/5000

Torch-Applied, SBS Modified Bituminous Capsheets

Introduction

TECHNOELAST K-PS 170/5000 is a polyester reinforced, slate covered torch-on capsheet, saturated and coated with high quality SBS modified bitumen. The membrane carrier is a tough polyester reinforcement, giving the material excellent dimensional stability and very high mechanical strength. The upper layer is coated with coarse-grained slate, protecting the membrane from ultraviolet exposure and the lower layer is finished with a thermofusible film for fast and consistent torch-on application.

Description

TECHNOELAST K-PS 170/5000 is a high-performance polyester based waterproofing material designed to suit requirements of both new build and remedial roofing applications. It is a reliable, environmentally friendly membrane with excellent performance and durability characteristics, and can be applied to suitable torch-on underlays as a capsheet in built-up waterproofing systems. The product is not recommended for use as single layer waterproofing.

Product Features

- Flow resistance at high temperature 100°C
- Excellent low temperature flexibility at -25°C
- High puncture resistance and high resistance to foot marking
- High quality polyester carrier

Application

TECHNOELAST K-PS 170/5000 should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 - the code of practice for reinforced bitumen membranes for roofing.

Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign. All operatives using torch guns or hot air guns during installation should be competent, conversant, and capable of using such items in a safe and responsible manner. Care must also be taken when using torches and hot air guns near combustible materials, decorative coatings and heat sensitive materials.

TECHNOELAST K-PS 170/5000 must be bonded to the previously installed base layer/underlay by using the torch-on application method. Substrates must be clear of any debris or sharp projections, and primers should be used as necessary to prepare the surface for achieving most effective waterproofing longevity (please consult TECHNICAL Services for details).

TECHNOELAST K-PS 170/5000 should be heated carefully, ensuring that the dispersible film completely melts as work proceeds and maintaining 5 mm bead extrusion from all laps. Side laps must follow the manufactured mineral free pilot selvage with end laps at minimum of 10 cm. The cap sheet should be offset 30 cm from the underlay to avoid build-up of overlaps.

Harmonised Standard

EN 13707:2004+A2:2009

Storage

Store in a cool, dry place and protect from direct sunlight.

Availability

Product Name	Colour	Product Code	Roll Dimensions (m)	Weight(kg/m ²)
TECHNOELAST K-PS 170/5000	Grey	TN104525	8 x 1	5

Performance

Essential Characteristics	Test Method	TECHNOELAST K-PS 170/5000
Length, m	-	8
Width, m	-	1
Weight of square meter, kg/m ²	EN 1849-1	5 ±0.25
Water tightness	EN 1928 method A	kPa 300
Water vapour transmission properties	EN 1931+AC	μ = 20 000
Reaction to fire	EN 13501-1+A1	Class E
External fire performance	EN 13501-5+A1	BROOF(t1),BROOF(t2)
Tensile strength, N/50mm	EN 12311-1	700 L / 500 T
Nail shank resistance	EN 12310-1	250 N (±100 N)
Flow resistance at elevated pressure, °C	EN 1110	≥ +100
Flexibility at low temperatures, °C	EN 1109	≤ -25
Elongation	EN 12311-1	50% L / 50% T
Dimensional stability	EN 1107-1	≤ 0.5%
Adhesion of granules	EN 12039	15% (± 15 abs)

Technical Service and Other Products

Specialist advice and information on other compatible products can be found at www.wonderbuilds.co.uk.