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TECHNOELAST K-PS 170/5000

Polyester based SBS Modified Torch-On Cap Sheet

Introduction

TECHNOELAST K-PS 170/5000 mineral membrane is a high performance polyester based waterproofing material designed to suit for both new build and remedial roofing applications.

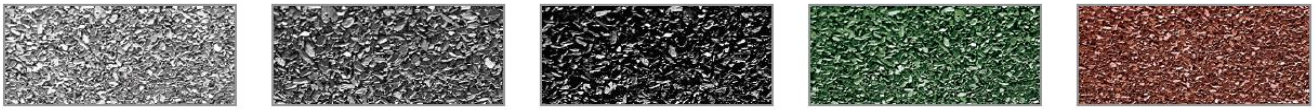
Product Description

TECHNOELAST K-PS 170/5000 is a polyester reinforced, slate covered Torch – On Cap sheet, saturated and coated with highest quality SBS (Styrene-Butadiene-Styrene) 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 material from ultraviolet exposure and lower layer is finished with thermofusible film for fast and consistent Torch – On application.

TECHNOELAST K-PS 170/5000 is reliable, environmentally friendly material with excellent performance and durability characteristics. This product can be applied to suitable Torch - On underlays as top layer in built up waterproofing systems. Not recommended for use as single ply waterproofing.

Product Feature

- Excellent low temperature flexibility at -25°C
- Flow resistance at high temperature 100°C
- Guided (snowflake print) rapid melt film for accurate and consistent Torch -On application
- High resistance to foot marking
- High puncture resistance
- High quality polyester carrier
- Designed to perform in harshest weather conditions
- SBS modified bitumen binder formulated to ensure highest performance, with life expectancy of over 20 years
- Range of 5 mineral colours



Application

TECHNOELAST K-PS 170/5000 should be installed in accordance with BS 8217: 2005 Code of Practice for Reinforced bitumen membranes for roofing, constantly observing TechnoNICOL installation recommendations and guidance. TECHNOELAST K-PS 170/5000 membranes are applied by traditional Torch – On methods onto previously installed base layer/underlay, clear of any debris or sharp projections, primers shall be used to prepare substrate for achieving most effective waterproofing longevity. The membranes should be heated carefully ensuring the complete melt of dispersible film as work proceeds and maintaining 5 mm bead extrusion from all laps. Side laps must follow the manufactured mineral free pilot selvedge with end laps at minimum of 100 mm. The cap sheet should be offset 300 mm from the underlay to avoid side build up.

Harmonised standard

EN 13707 + A2:2009

Health and Safety
Health and Safety should be observed at all times in accordance with HSE and Industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from TechnoNICOL Technical Service Department.

Availability

Product Name	Product Code	Roll Dimensions (m)	Weight (kg/m²)
TECHNOELAST K-PS 5000	048479	8 x 1/0.7/0.5/0.33	5.0 - 0.25

Performance and Key Properties

Properties	Test Method	Declared Performance
Reinforcement type and weight		Polyester, 170 g/m²
Maximum tensile force L/T, N/50mm	EN 12311-1	700/500±100
Elongation, %	EN 12311-1	50/50±25
Resistance to tearing (nail shank), N	EN 12310-1	180/180±30
Flow resistance at elevated temp. °C	EN 1110	≥ 100
Flexibility at low temp. °C	EN 1109	≤ -25
Watertightness, kPa	EN 1928	300
Water vapour transmission properties	EN 1931	μ=20 000
External fire rerformance	EN 13501-5 ENV 1187:2002, test 2*	Broof (t2)*

*This material is part of a two-layer roofing system and corresponds to the Broof only in combination with a second layer of roofing system.

Quality Assurance
TECHNOELAST K-PS 170/5000 materials are manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.