

UNIFLEKS EPP

Polyester based SBS Modified Torch-On Underlay



Introduction

UNIFLEKS EPP is a high performance polyester based waterproofing materials designed to suit requirements of both new build and remedial roofing applications as well as a tanking material for foundation waterproofing.

Product Description

UNIFLEKS EPP is a polyester reinforced Underlay, saturated and coated with highest quality SBS (Styrene-Butadiene-Styrene) modified bitumen. The membrane carrier is a tough 160 g/m² polyester reinforcement, giving the material excellent dimensional stability and very high mechanical strength. Membrane is protected with thermofusible film on both sides for fast and consistent Torch – On application.

UNIFLEKS EPP is a reliable, environmentally friendly material with excellent performance and durability characteristics. This product can be applied to all suitable substrates as underlay or as top layer in built up ballasted waterproofing systems. Not recommended for use as single ply waterproofing.

Product Features

- Excellent low temperature flexibility at -20°C
- Flow resistance at high temperature 95°C
- Guided (snowflake print) rapid melt film for accurate and consistent Torch -On application
- High resistance to foot marking
- High puncture resistance
- Ability to self-heal around insignificant punctures
- High quality polyester carrier
- SBS modified bitumen binder formulated to ensure highest performance, with life expectancy of over 20 years
- 15 year material guarantee within approved waterproofing system
- Can be used as a reliable tanking membrane to suit all types of foundations

Application

UNIFLEKS EPP materials can be used as cap sheet in fully or partially adhered waterproofing on flat or pitched roofs as well as loose laid or ballasted waterproofing on flat roofs for protected pedestrian access.

UNIFLEKS EPP should be installed in accordance with BS 8217: 2005 and BS 8004: 2015 Codes of Practice for Reinforced bitumen membranes for roofing and foundations, constantly observing TechnoNICOL installation recommendations and guidance. UNIFLEKS EPP membranes are applied by traditional Torch – On methods onto previously prepared surface, 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. 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 of overlaps.

Nr. 16

TECHNICAL DATA SHEET 06.2016

Harmonised standard

EN 13707 + A2:2009

EN 13969 + A1:2006

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/m ²)
UNIFLEKS EPP	48531	10 x 1	3.7 - 0.185
UNIFLEKS EPP 4.0	499625	8/10 X 1	4.0 - 0.2

Performance and Key Properties

Properties	Test Method	Declared Performance
Reinforcement type and weight		Polyester, 160 g/m ²
Maximum tensile force L/T, N/50mm	EN 12311-1	700/500±200/140
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	≥ 95
Flexibility at low temp. °C	EN 1109	≤ -20
Watertightness, kPa	EN 1928	300
Water vapour transmission properties	EN 1931	μ=20 000
External fire performance	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

UNIFLEKS EPP materials are manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.

Technical Service and Other Products

Specialist advise and information on other compactible products is available on www.tn-europe.com