

## ECOFLEKS V

Glass fibre based APP Modified Torch-On Underlay



### Introduction

ECOFLEKS V membranes are economical, high performance glass reinforced waterproofing materials designed for use in high performance built up systems to suit requirements of both new build and remedial roofing applications.

### Product Description

ECOFLEKS V is a glass fibre based, Torch – On Underlay, saturated and coated with bitumen containing APP (Atactic Polypropylene) polymer modifier and mineral additives. The membrane is finished with thermofusible film on both sides for fast and consistent Torch – On application. The APP polymers are providing membrane with dimensional stability and slump resistance at high temperatures.

ECOFLEKS V glass reinforced membranes are reliable, environmentally friendly materials with excellent performance and economy characteristics. These products can be applied to all suitable types of substrates as underlays in built up waterproofing systems.

### Product Features

- Excellent flow resistance at elevated temperature 100°C
- Guided (snowflake print) rapid melt film for accurate and consistent Torch -On application
- High resistance to foot marking
- High puncture resistance
- Excellent quality glass fibre reinforcement
- APP polymer modified bitumen formulated to ensure high performance
- 10 year material guarantee within approved waterproofing system

### Application

ECOFLEKS V glass reinforced materials can be used as underlays in built up waterproofing systems or as vapour barriers on new built or refurbished flat roofs as well as part of overlay systems to existing asphalt waterproofing. Not recommended for use as single ply waterproofing.

ECOFLEKS V glass fibre membranes 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. ECOFLEKS V glass reinforced 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 be minimum 75mm with end laps at minimum of 100 mm. The subsequent cap sheet layer should be offset 300 mm from the underlay to avoid build up of overlaps.

## Nr. 3

TECHNICAL DATA SHEET 06.2016

### Harmonised standard

EN 13707:2004 + 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/m <sup>2</sup> )
ECOFLEKS V 2,0 kg	48018	15/16 x 1	2.0 ± 0.2
ECOFLEKS V 2,6 kg	386967	15/16 x 1	2.6 ± 0.2
ECOFLEKS V 3,0 kg	48019	10 x 1	3.0 ± 0.2

### Performance and Key Properties

Properties	Test Method	Declared Performance
Reinforcement type and weight		Glass Fibre, 55 g/m <sup>2</sup>
Maximum tensile force L/T, N/50mm	EN 12311-1	400/300±150
Elongation, %	EN 12311-1	4/4±2
Resistance to tearing (nail shank), N	EN 12310-1	50/50±10
Flow resistance at elevated temp. °C	EN 1110	≥ 100
Flexibility at low temp. °C	EN 1109	≤ 0
Watertightness, kPa	EN 1928	100
Water vapour transmission properties	EN 1931	μ=20 000
Reaction to fire	EN 13501-1	Class E

### Quality Assurance

ECOFLEKS V glass reinforced 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](http://www.tn-europe.com)