

# Torch Flex Ultra-Vent 5-205

Technical Data Sheet



## Product Description

Torch Flex Ultra-Vent is a high performance torch applied underlay, utilising adhesive strips on the underside, which allow for trapped vapour to disperse throughout the roof system.

## Features

Torch Flex Ultra-Vent has been developed to combine modern polymer technology with proven roof design for torch applications.

Torch Flex Ultra-Vent is a high performance torch base sheet, which utilises elasto-plastomer low melting adhesive stripes on the underside that when bonded to the top of the insulation boards, allow any trapped vapour to evenly disperse throughout the Ultra-Vent underlay membrane, therefore eliminating the build up of pressure within the system which would otherwise ultimately creating a blister.

The unique adhesive qualities of the thermo-plastic bitumen strips also ensure bonding qualities equal to that of a traditional roofing system using conventional venting underlays.

The underside of the membrane is coated with a light burn off backer, which identifies the correct application temperature to the installer; therefore leaving the areas between the thermo-plastic adhesive clear of any bitumen or bleed out, allowing the sheet to 'breathe' or vent. By using Garland's Torch Flex Ultra Bond metal lined vapour barrier in conjunction with Torch Flex Ultra-Vent and StressPly<sup>®</sup> membranes we are able to create a roof system that has a reduced installation cost but does not compromise the quality and life expectancy of the completed system. Torch Flex Ultra-Vent is reinforced with a high strength polyester scrim, which adds strength to the completed system.

## Uses

The Torch Flex Ultra-Vent membrane is designed for use as under-layer vapour dispersion membrane.

## Application Instructions

The laying deck shall be clean, smooth and dry. For a better adhesion it may be previously treated with Garland Garla-Prime. The membrane is then laid by melting the lower side with light propane gas flame. Edges shall be overlapped, always by torch, by at least 75mm on the sides and 100mm at the head laps so that waterproofing integrity is maintained. For further application information please refer to specific specifications provided by your Garland Technical Manager.

### Technical Data

|                     |  |
|---------------------|--|
| Reinforcement type: | Reinforced and stabilised non-woven polyester mat.                     |
| Compound type:      | Bitumen modified with thermoplastic rubber (SBS).                      |
| Surface finishing:  | Upper side: PE film.   |
| Lower side:         | PE film  |
| Laying method:      | For lower side finishing with polymeric films: Propane-gas light flame |

If you require any further information please contact your local Garland Technical Manager.



### Garland UK

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| Properties                   | Norms      | Unit   | Value     | Tolerance |
|------------------------------|------------|--------|-----------|-----------|
| <b>Physical Data</b>         |            |        |           |           |
| Type of compound             |            |        | SBS       |           |
| Type of reinforcement        |            |        | Polyester |           |
| Finish upper face            |            |        | PE film   |           |
| Finish lower face            |            |        | PE film   |           |
| Length                       | EN 1848-1  | m      | 8         | ±1%       |
| Width                        | EN 1848-1  | m      | 1         | ±1%       |
| Thickness                    | EN 1849-1  | mm     | 3.5       | ±5%       |
| <b>Mechanical Data</b>       |            |        |           |           |
| Watertightness               | EN 1928    | kPa    | 100       | ≥         |
| Cold temperature flexibility | EN 1109    | °C     | -20       | ≤         |
| Visible defects              | EN 1850-1  |        | NO        |           |
| Flow resistance              | EN 1110    | °C     | 110       | ≤         |
| Tensile strength L           | EN 12311-1 | N/5 cm | 900       | ±20%      |
| Tensile strength T           | EN 12311-1 | N/5 cm | 700       | ±20%      |
| Elongation at break L        | EN12311-1  | %      | -45       | ±15 ABS   |
| Elongation at break T        | EN 12311-1 | %      | -45       | ±15 ABS   |
| Nail tear strength L         | EN12310-1  | N      | 200       | ±30%      |
| Nail tear strength T         | EN12310-1  | N      | 300       | ±30%      |
| <b>Fire Performance</b>      |            |        |           |           |
| Fire resistance              | EN 13501-5 |        | FROOF     |           |
| Fire reaction                | EN 13501-1 |        | E         |           |
| <b>Application Data</b>      |            |        |           |           |
| Minimum application temp     |            | °C     | 5         |           |
| Minimum slope                |            | %      | 1.5       |           |

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