

# Turbo Torch

## Product Data Sheet

### High Performance Rapid Torch-On Roofing Range

December 2005

#### Features and Benefits

- Unique *Turbo-Flow* SBS modified bitumen coating
- Quick-Torch* flame dispersible backing film
- Long term performance
- Less heat (gas) required for installation
- Reduced installation time
- Reduced foot marking
- High bond strength and lap security
- High tensile strength polyester base
- Ideal for flat and sloping roofs
- Use cap sheets with Turbo Torch Talc (3mm – polyester based) or Universal Torch Underlays (glass fibre based)
- 10 Year Guarantee

#### Description

The Turbo Torch range of cap sheets and underlays has been specifically developed to provide the perfect combination of long term performance, ideal handling characteristics and rapid torch-on installation.

The unique *Turbo-Flow* polymer modified bitumen coating used in the manufacture of Turbo Torch melts faster, rapidly achieving optimum bond strength, and then cools quickly reducing foot marking and slumping. When this bitumen coating is combined with the *Quick-Torch* flame dispersible backing film, this dramatically increases the speed at which an effective bond is achieved and reduces the amount of gas required to install the membrane. Practical testing carried out indicates that the application of Turbo Torch membranes can be up to 20% faster than traditional torch-on materials.

Turbo Torch membranes are polyester based, with a specially blended SBS polymer modified bitumen coating, ensuring high tensile strength, excellent flexibility and guaranteed long-term performance. Turbo Torch is available in a range of attractive colours (green, blue/grey, brown and black) and can be used on flat and sloping roofs, or for executing detail work. Turbo Torch, with the unique Turbo-Flow coating bitumen, is the ideal solution to all your torch-on roofing needs. Turbo Torch cap sheets can be used with the Turbo Torch Talc (3mm - polyester based) or the cost effective glass fibre based Universal or Super Universal Torch Underlays.

#### Product details

Dimensions and weights	Turbo Torch Slate Surfaced	Turbo Torch Talc
Roll weight kg	37	37.3
Roll length m	8	16
Typical Performance		
Tensile strength (N/50mm)		
BS EN 12311:2000 MD	500	500
TD	400	400
Elongation at break (%)		
BS EN 12311:2000 MD	30	30
TD	40	40
Low temperature flexibility °C		
BS EN 1109:2000	-10	-10

## Product range

### Turbo Torch - Slate Surfaced

Cap Sheet – polyester based, coated with *Turbo-Flow* SBS modified bitumen coating; finished with slate granules on the top side, and a flame dispersible film on the reverse. For exposed use and needing no further finishing on site.

### Turbo Torch - Talc (3mm)

Base Sheet – polyester based, coated with *Turbo-Flow* SBS modified bitumen coating; finished with fine talc on the top side, and a flame dispersible film on the reverse. For use as a high performance underlay with the Turbo Torch Slate and other APP or SBS torch-on cap sheets.

## Application

Turbo Torch roofing membranes should be installed in accordance with BS 8217: 2005, Code of practice for reinforced bitumen membranes for roofing, and to Permanite specifications. The application should follow the recommended good practices for torch-applied membranes. Care must be taken when applying torch-on in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Apply Turbo Torch by melting the heat dispersible backing and coating to create a molten flow in front of the roll. The flame of the torch should be applied at the low point where the roll meets the underlay. As the film and bitumen melts, roll the roofing forward.

Note: A bead of bitumen must exude from all lap joints to ensure a seal.

## Health and safety

A Health and Safety data sheet relating to Turbo Torch is available from the Technical & Design Services Department on 0800 783 3210 or E-mail [roof.tech@permanite.com](mailto:roof.tech@permanite.com). Alternatively, Health and Safety data sheets for all Permanite products are available as down-loads from the Permanite web site: [www.permanite.com](http://www.permanite.com)

## Technical and design support

Technical advice can be obtained from the Technical & Design Services Department on:  
Tel: 0800 783 3210 Fax 01629 583375 Email [roof.tech@permanite.com](mailto:roof.tech@permanite.com)

## Other products

Permanite is part of the IKO Group which manufactures and supplies a wide range of high performance, insulated roofing systems including bituminous membranes, mastic asphalt, hot melt and polymeric single ply. The range also encompasses green roof systems, DPCs/DPMs/tanking materials and liquid waterproofing solutions and compounds. Full product literature is available as downloads from the web site: [www.permanite.com](http://www.permanite.com) or on request by email: [marketing@permanite.com](mailto:marketing@permanite.com)

### Permanite Engineered Roofing Systems

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