

**High Performance Polyester Based Polymer Modified  
 Torch-on Cap Sheet**

**Description**

Polyshield TS 4 Mineral is a high performance polyester based torch-on cap sheet, coated with a high quality polymer modified APP bitumen coating. The underside of Polyshield TS 4 Mineral is protected by Polyflam a special polyethylene film which melts upon torching. The top surface is protected by a uniform layer of slate chippings and has a lateral selvedge for overlapping making application fast and secure.

Polyshield Mineral TS 4 torch-on is an exceptionally high quality flat roof waterproofing membrane which, combined with other components from the extensive Polyglass range of components, provides the specifier and client a comprehensive and cost-effective flat roofing solution for new build and refurbishment projects. Polyshield TS 4 has a proven track record and has been independently assessed by the British Board of Agrément (BBA) and The Warrington Fire Research Centre. Polyglass offer extended warranties of up to 20 years on selected systems incorporating Polyshield TS 4 as a cap sheet.

(NB. Please see separate Underlay, Insulation & Accessories data sheets)

**Features and Benefits:-**

- BBA Approved, Certificate No.10/4729 (Life expectancy in excess of 20 years)
- Fire performance achieving BS 476: Part 3: FAA (Warrington Fire Research Centre)
- Durable & rot proof spunbond polyester fabric with glass stabilization providing excellent durability
- Latest high quality APP polymer modified bitumen for improved UV resistance
- low temperature flexibility -20°C
- Cost effective performance
- Guarantees available upon application



Dimensions & Weights	Polyshield TS 4 Torch-On Grey Mineral	Polyshield TS 4 Torch-on Tweed & Charcoal Mineral
Roll Weight kg	39.2	39.2
Weight kg/m <sup>2</sup>	4.9	4.9
Roll Length m	8	8
Roll Width m	1	1
Selvedge Width mm	75	75
Product Components		
Base	Polyester	Polyester
<b>Typical Performance</b>		
Tensile Strength (MD) N/50mm	750	750
Tensile Strength (TD) N/50mm	550	550
BSEN 12311: 2000		
Elongation (MD) %	40	40
Elongation (TD) %	40	40
BSEN 12311: 2000		
Low Temperature Flex °C	-20	-20
BSEN 1109: 2000		

Product:	Code:
Polyshield Grey Mineral	PTC
Polyshield Charcoal Mineral	Q16
Polyshield Tweed Mineral	PYX

## Product Information

Polyshield TS 4 Mineral Surfaced Cap sheets incorporate a spunbond polyester base reinforced, stabilized with glass strands, coated with APP modified bitumen, providing a very high degree of strength and durability. Available with a grey, charcoal or tweed slate finish and surfaced on the underside with flame dispersible polyethylene film (Polyflam). For exposed use and requires no further finishing on site.

## Application

Polyshield TS 4 torch-on can be used as the cap sheet onto suitable pour and roll or torch-on underlays as part of a built-up system or as refurbishment overlay to existing asphalt or selected compatible surfaced membranes. When installing a fully torched system, suitable underlays include Bitulight 3 Torch Underlay.

Polyshield TS 4 torch-on roofing membranes should be installed in accordance with BS 8217:2005,

Code of Practice for reinforced bitumen membranes for roofing, and to Polyglass specifications and recommendations. The application should follow the general good practices for torch-applied membranes. Care must be taken when applying Polyshield TS 4 torch-on membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Apply Polyshield TS 4 torch-on roofing 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. Side joints in the sheets should be fully bonded and formed using the 75mm selvedge. NB. A bead of bitumen must exude from all lap joints to ensure a seal.

## Other Products

Full product literature, health & safety and technical sheets are available as downloads on request from our Head Office, detailed below.



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