



**Flat
Roofing
Product
Selector**



**Traditional Roll
and Pour Roofing**



**Debotec Torch-on
Membranes**



**Torch-on
Application Guide**





Chesterfelt Ltd established in 1978 remains an independently owned UK company manufacturing specialist roofing membranes for distribution nationwide.

Chesterfelt's commitment for quality is demonstrated by ISO9001/9002 certification and CE product marking approval.





Flat Roofing

Torch-On Waterproofing

- Entry level membranes for repair/ refurbishment
- APP/SBS Multi layer systems
- Venting layers and underlays
- 20 year premium systems

Roll and Pour

- Standard fibre based waterproofing
- Traditional glass fibre reinforced
- Polyester ranges 180, 250, oxidized and SBS Bitumens
- Specialist Vapour Barriers

Cold Applied

- VCL/Insulation adhesives
- High performance membrane adhesives
- Self Adhesive Membranes
- Latest Polyurethane liquid coating systems

Pitched Roofing

- Traditional underslating felt
- Breathable membranes
- Eaves protection sheets

Shed/Leisure Roof Waterproofing

- Standard Fibre based Shedfelt
- Heavy duty fibre products
- Glass fibre membranes
- Polyester high performance options



Flat Roof Waterproofing Pour and Roll Application

An extensive range of waterproofing products manufactured using selected reinforcements coated with oxidized and modified bitumen



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Chestermeric High Performance SBS

The classic three layer built-up system using 3G venting layers with polyester reinforced intermediate layers and final waterproofing layer in plain finish or mineral granules. Up to 20 Year Guarantees available.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P613	Chestermeric 180	20mx1m	Sand	25	36
P615	Chestermeric 250	16mx1m	Sand	25	40
P620	Chestermeric 250	8mx1m	Green Mineral	25	30

Strongbond Standard Polyester

A specially manufactured range of products utilising both high performance characteristics with entry level pricing structures giving strength and durability on a wide range of flat roof applications.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P562	Strongbond 180	20mx1m	Sand	25	38
P564	Strongbond 180	10mx1m	Green Mineral	25	37
P563	Strongbond 250	20mx1m	Sand	25	40
P565	Strongbond 250	10mx1m	Green Mineral	25	39



Vapour Barriers

A range of specialist vapour control layers for use in warm roof construction fitted onto roof deck prior to installation boards.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P714	Chesterstop VB - Hessian /Metal lined	20mx1m	Sand	25	36

Fibre Glass/Modified Bitumen

Using glass fibre base as a reinforcement this product offers value and performance using SBS Modified bitumen available in traditional green mineral finish.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P717	Elastoglass	10mx1m	Green Mineral	30	32

Chesterplus

This range using glass fibre reinforcement coated in standard oxidized bitumen.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P314	Chesterplus 3B	20mx1m	Sand	30	36
P351	Chesterplus venting 3G	10mx1m	Granules	30	27
P360	Chesterplus perforated 3H	20mx1m	Sand	30	34



Chesterbond Fibre Range

A cost effective waterproof range of products available for use on various types of outbuilding flat roofs.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P111	Chesterbond Heavy (1B18)	10mx1m	Sand	56	17
P114	Chesterbond Heavy (1B36)	20mx1m	Sand	30	34
P119	Trade top	10mx1m	Green Mineral	30	29
P120	Chesterbond GM (1E)	10mx1m	Green Mineral	30	37



Flat Roof Waterproofing Torch-On Applied Debotec Range

A most extensive range of products for use in refurbishments and new roofing projects



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The Debotec range can offer the specifier choices to suit client budgets/product life expectancy requirements. The Debotec range is offered in a traditional three layer built up system using universal venting/perforated layers, glass fibre base sheets intermediate layers followed by final capping layer.

Debotec Chestertorch Range

A price leading range using glass fibre (underlay mat) and polyester reinforcements.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P824	Chestertorch Underlay	16mx1m	Plain	30	32
P825	Chestertorch Plain	8mx1m	Plain	30	32
P826	Chestertorch Mineral	8mx1m	Green Mineral	30	32

Debotec Debovent - Universal Venting Layer

For use under Debotec multi layer system, where a partial bond is required.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
2706	Debovent	16mx1m	Perforated	36	24

Need more information?

Please email us at:
general@chesterfelt.co.uk
or call us on
01246 268000



Debotec Peak SBS Standard Range

Using glass fibre (underlay mat) and polyester reinforcements coated with SBS type bitumen modifications offers value with performance.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P820	Peak Underlay	16mx1m	Sand	30	32
P800	Peak Plain	8mx1m	Sand	30	32
P801	Peak Mineral	8mx1m	Green Mineral	30	32
P802	Peak Mineral	8mx1m	Charcoal Mineral	30	32
P803	Peak Mineral	8mx1m	Brindle Mineral	30	32
P804	Peak Mineral	8mx1m	Blue/Grey Mineral	30	32

Debotec Deflector - APP Performance Range

A performance range using modified bitumes (APP) on glass fibre (underlay mat) and polyester re-enforcements (capping sheet).



Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
2177	Deflector Plus Underlay	16mx1m	Plain	30	32
2176	Deflector Plus Plain	8mx1m	Plain	30	32
2175	Deflector Plus Mineral	8mx1m	Mineral	25	32





Flat Roof Waterproofing Torch-On Applied Debotec Range

A most extensive range of products for use in refurbishments and new roofing projects

Debotec Topguard Trade Plus SBS

A versatile SBS range of products using modified glass fibre base sheets and reinforced polyester final layers.

Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P950	Topguard Underlay	16mx1m	Plain	30	32
P951	Topguard Plain	8mx1m	Plain	30	32
P952	Topguard Mineral	8mx1m	Green Mineral	30	35
P953	Topguard Mineral	8mx1m	Charcoal	30	35
P954	Topguard Mineral	8mx1m	Blue/Grey	30	35
P955	Topguard Mineral	8mx1m	Brindle	30	35



Debotec Deboflex Premium APP

Using a strengthened glass fibre underlay with double film finish and strengthened polyester final layer with modified bitumens APP.

This well proven product range can be used on a wide variety of roofing applications.



Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
2203	Deboflex Underlay	16mx1m	Plain	30	32
2204	Deboflex Plain	8mx1m	Plain	30	32
2137	Deboflex Mineral	8mx1m	Mineral	30	36





Debotec Laser Torch Specialist SBS

A range of membranes using SBS type bitumens modification offering lower melt characteristics for faster application advantages. 15 year system guarantees available on this product group.



Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P839	Laser Torch Underlay	16mx1m	Plain	30	32
P831	Laser Torch Plain	8mx1m	Plain	30	32
P832	Laser Torch Mineral	8mx1m	Green Mineral	30	36
P833	Laser Torch Mineral	8mx1m	Blue/grey	30	36
P834	Laser Torch Mineral	8mx1m	Charcoal	30	36
P835	Laser Torch Mineral	8mx1m	Brindle	30	36



Torch-On

Debotec Laser Gold Premium SBS

A specification range with life expectancy in excess of 20 years using high tensile polyester reinforcements with low melt SBS bitumen modifications.

20 year system guarantees available on this product group.



Product code	Product description	Roll size	Finish	Pallet qty	Roll weight (kg)
P901	Laser Gold Underlay	12mx1m	Plain	30	34
P902	Laser Gold Plain	8mx1m	Plain	30	36
P903	Laser Gold Mineral	8mx1m	Green Mineral	30	38
P904	Laser Gold Mineral	8mx1m	Blue/grey	30	38
P905	Laser Gold Mineral	8mx1m	Charcoal	30	38
P906	Laser Gold Mineral	8mx1m	Brindle	30	38





Application Guide Debotec Torch-On

The following specification is a typical cold roof application, it can however, be adapted to most warm roof type applications by incorporating the vapour barrier and insulation.

1. Preparing the Deck

- A. Make good the deck surface and repair all required areas.
- B. Fit angle fillets along the base of all upstand and parapet walls.
- C. Cut out flashing channel along all upstand and parapet walls.
- D. When deck is clean and dry apply the fast dry primer following the manufacturers instructions.



2. Applying the Venting Layer

- A. Roll out Debotec Perfoval Venting layer, as shown. On exposed roofs, leave a gap around the perimeter of 12" (300mm) - 18" (450mm).
- B. In breezy conditions it may be necessary to spot bond or nail (on timber decks) the venting layer along the overlap to hold in place until the underlay is applied.
- C. Position cowl vents (if required) at the determined centres. Debotec Perfoval Venting has a film on both upper and lower surfaces - this needs to be removed on the areas where the cowl vents are located. Do this by either cutting it out with a handy knife or draughting a torch flame over the upper surface.



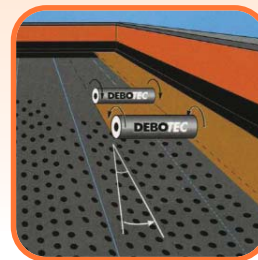
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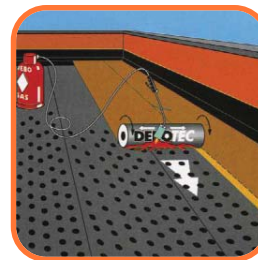
3. Locating the Debotec Underlay

- A. Before each run of Debotec Underlay is applied, roll out the required amount completely and cut.
- B. Align the felt with a 3" (75mm) side lap.
- C. Re roll from both ends to the centre. The underlay will then follow the desired path, when applied as described in (4a/b).



4. Applying the Underlay

- A. Working from the centre, apply the underlay by directing the torch at the roll slightly above the point at which it contacts the under surface. Move the torch from side to side making sure the bitumen is sufficiently heated to fully bond the underlay.
- B. Care needs to be made not to over torch the underlay. However, a bleed of bitumen needs to be just visible at both edges as the membrane is rolled out.

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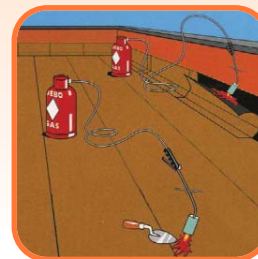
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Application Guide Debotec Torch-On

The following specification is a typical cold roof application, it can however, be adapted to most warm roof type applications by incorporating the vapour barrier and insulation.

5. Underlay Detailing

- A. Cut out the upstand detailing and apply where required. A smaller detailing torch may make this application easier. Make sure a good bond is established.
- B. The overlaps for the detailing are the same as the flat runs, leaving a 3" (75mm) side lap and 6" (150mm) end lap.
- C. Go over all laps within the underlay and check a correct seal has taken place. Re seal where required using a torch and a trowel or scraper.



6. Locating the Cap Sheet

- A. Locate the cap sheet with the underlay overlap in the centre of the width of the cap sheet roll.
- B. Re roll into the centre as with the underlay (3c).
- C. On mineral finishes protect the mineral closest to the salvage edge with paste. Normal household wallpaper paste can be used for this.


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7. Applying the Cap Sheet

- A. Apply the cap sheet in the same manner as the underlay (4a).
- B. Make sure a slight bleed of bitumen is visible at both edges.
- C. Care needs to be taken not to mark the mineral finish while the membrane is warm.



8. Creating an End Lap

- A. When more than one roll is required in the same run, allow 6" (150mm) end lap.
- B. Protect the mineral on the inside of the end lap area with paste.
- C. Heat the mineral just enough to scrape the finish off with a trowel.
- D. Apply end lap making sure the bitumen is heated enough to create a good bond.



Please note extra care must be taken when using gas torches. All necessary safety procedures and relevant insurance recommendations should be observed at all times.
Please note any information given in this leaflet may be subject to change and replacement thereof or amendments thereto.

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Torch-On Application

Torch-On Application

Example of waterproofing project, on a cold roof using a new plywood deck with a multi layer Debotec System.



Fitted new plywood deck and then coated with bitumen primer.



One layer of Debotec fibre perforated layer.



One layer of Debotec glass fibre underlay matt.



Final layer of Debotec polyester mineral finish capping sheet.

Need more information?

Please visit us at:
www.chesterfelt.co.uk

Click on technical services and view all roof built-up specifications

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Guarantee Selector

Pour & Roll and Torch - Applied Systems

Pour & Roll Systems

Product Range	First Layer Selection and method of fixing depends on decking/structure or surface type and is the responsibility of the Contractor		Second Layer	Third Layer	Years of cover
	Partial Bond	Nail on **			
Chestermeric	Chesterplus 3G	Chesterflex 5U (125)	Chestermeric 180	Chestermeric 250 Mineral	15 Years
Chestermeric	Chesterplus 3G	Chesterflex 5U (125)	Chestermeric 250	Chestermeric 250 Mineral	20 Years

* If plain finish is used 2 coats of Chesterfelt aluminium reflective coating will be required or suitable mineral chippings

** Chesterflex 5U (125) to be only used onto timber tongued and grooved board

Torch - Applied Systems

Product Range	First Layer Selection and method of fixing depends on decking/structure or surface type and is the responsibility of the Contractor		Second Layer	Third Layer	Years of cover
	Debovent Venting or Strongbond 180 Sand **				
Debotec Laser Torch Gold SBS	Debovent Venting or Strongbond 180 Sand **	Laser Gold Underlay	Laser Gold Mineral	20 Years	
Debotec Laser Torch SBS	Debovent Venting or Strongbond 180 Sand **	Laser Torch Underlay	Laser Torch Mineral	15 Years	
Debotec Deboflex APP	Debovent Venting or Strongbond 180 Sand **	Deboflex Underlay	Deboflex Plain* or Mineral	12 Years	
Debotec Topguard SBS	Debovent Venting or Strongbond 180 Sand **	Topguard Underlay	Topguard Mineral	10 Years	
Debotec / Deflector Plus APP	Debovent Venting or Strongbond 180 Sand **	Deflector Plus Underlay	Deflector Plus Plain* or Mineral	10 Years	

* If plain finish is used 2 coats of Chesterfelt aluminium reflective coating will be required or suitable mineral chippings

** Strongbond 180 Sand to be only used onto timber tongued and grooved board



Guarantee Selector

The above is accurate at time of issue and can be subject to change without prior notice. Any deviations from the above must have the approval of Chesterfelt Ltd. Chesterfelt recommend that all products must be laid in accordance with BS8217 Code of Practise for Built up Felt Roofing. Please refer to Terms and Conditions of Guarantee.



DEBOTEC



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