

Product
DRYSEAL
Semi-rigid
Roofing System

Section
Specification
Detail

Reference
D

Flat Edge Drip Detail Warm Roof

As it is not possible to show every detail associated with the DRYSEAL roofing system, these are only a selection of the more general details.

Should you require information on any specific detail not listed, please contact our Technical Services Department, telephone: 01327 701900 Fax: 01327 701909 who will be pleased to advise and supply detail drawings with specification and installation method.

1. Preparation

The roof decking is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminates.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. Insulation Stop

Supply and fix a 50 mm x the insulation thickness treated timber batten as insulation stop, fixed to deck at edges of roof using approved anti-corrosive fixings at 350 mm centres.

5. Fascia/Wall Batten

Supply and fix 38 mm x 25 mm treated timber batten to fascia/wall using approved anti-corrosive fixings at 600 mm centres.

6. DRYSEAL GRP Flat Edge/Drip Trim

Supply and fix DRYSEAL preformed flat edge trim with min. 50 mm end laps. Internal face to be free from dust, clean and dry to receive 15 mm adhesive buttons at 200 mm centres corresponding to batten level. Bond trim to batten applying pressure to external surface to ensure good adhesive contact.

7. DRYSEAL Membrane

Lay flat sheet to flat edge trim securing with approved anti-corrosive fixings at appropriate centres through trim to insulation stop. On cold roof constructions, fix to substrate using approved anti-corrosive fixings and stress plates at appropriate centres.

8. Seams and Laps

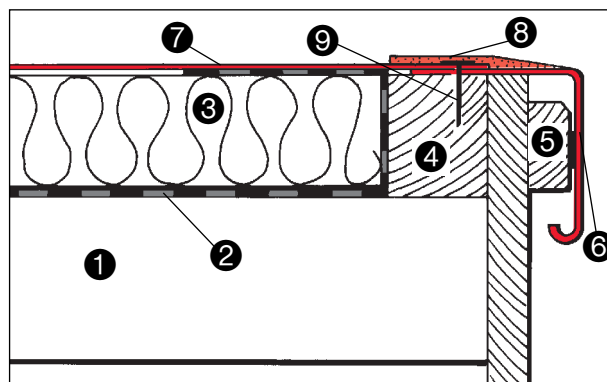
Supply and fix wet laminate to all seams/laps and exposed fixings. #

9. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

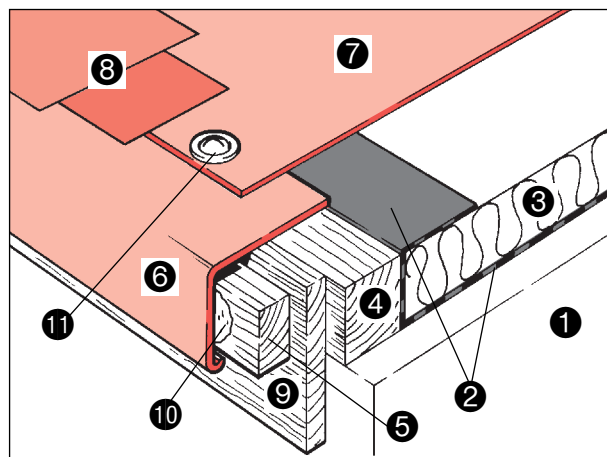
FLAT EDGE/DRIP DETAIL



KEY

- | | |
|------------------------|---------------------------|
| ① SUBSTRATE | ⑥ GRP FLAT/DRIP EDGE TRIM |
| ② VAPOUR CONTROL LAYER | ⑦ DRYSEAL MEMBRANE |
| ③ INSULATION | ⑧ WET LAMINATE TO JOINT |
| ④ INSULATION STOP | ⑨ ANTI-CORROSIVE FIXING |
| ⑤ FASCIA/WALL BATTEN | |

DRIP EDGE TO GUTTER



KEY

- | | |
|---------------------------|-------------------------|
| ① SUBSTRATE | ⑦ DRYSEAL MEMBRANE |
| ② VAPOUR CONTROL LAYER | ⑧ WET LAMINATE TO SEAM |
| ③ INSULATION | ⑨ FASCIA BOARD |
| ④ INSULATION STOP | ⑩ ADHESIVE BUTTON |
| ⑤ FASCIA/WALL BATTEN | ⑪ ANTI-CORROSIVE FIXING |
| ⑥ GRP FLAT/DRIP EDGE TRIM | |

Product
DRYSEAL
Semi-rigid
Roofing System

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D

Raised Edge/Check Kerb Detail

Warm Roof

1. Preparation

The roof decking is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminates.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. Insulation Stop

Supply and fix a 50 mm x the insulation thickness treated timber batten as insulation stop, fixed to deck at edges of roof using approved anti-corrosive fixings at 350 mm centres.

5. Fascia/Wall Batten

Supply and fix 38 mm x 25 mm treated timber batten to fascia/wall using approved anti-corrosive fixings at 600 mm centres.

6. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet. Laid over insulation stop and temporarily fix with approved anti-corrosive fixings at 1 metre centres.

7. DRYSEAL GRP Raised Edge/Check Kerb Trim

Supply and fix DRYSEAL preformed raised edge trim with min. 50 mm end laps. Internal face to be free from dust, clean and dry to receive 15 mm adhesive buttons at 200 mm centres corresponding to batten level. Bond trim to batten applying pressure to external surface to ensure good adhesive contact. Secure to insulation stop over flat sheet with approved anti-corrosive fixings at appropriate centres. On cold roof constructions fix to substrate using approved anti-corrosive fixings and stress plates at appropriate centres.

8. Seams and Laps

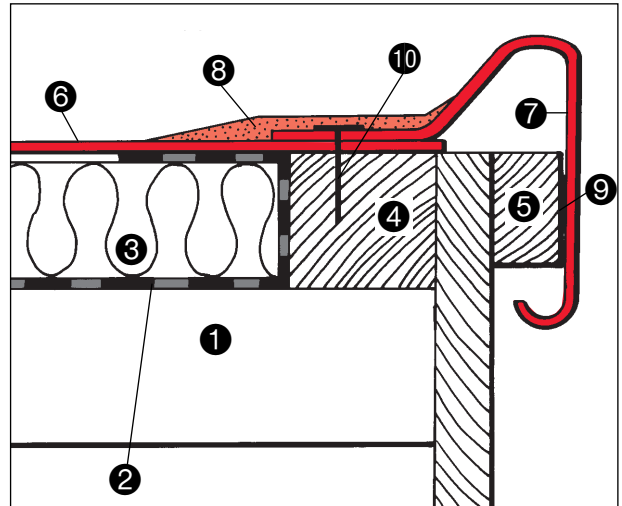
Supply and fix wet laminate to all seams/laps and exposed fixings. #

9. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

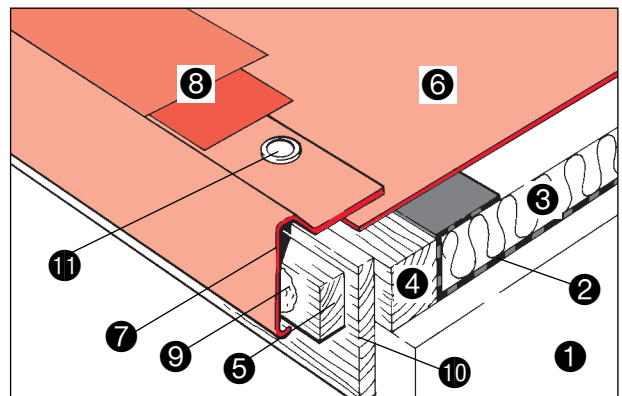
RAISED EDGE/CHECK KERB DETAIL



KEY

- | | |
|------------------------|-------------------------------|
| ① SUBSTRATE | ⑦ RAISED EDGE/CHECK KERB TRIM |
| ② VAPOUR CONTROL LAYER | ⑧ WET LAMINATE TO SEAM |
| ③ INSULATION | ⑨ ADHESIVE BUTTON |
| ④ INSULATION STOP | ⑩ ANTI-CORROSIVE FIXING |
| ⑤ FASCIA/WALL BATTEN | |
| ⑥ DRYSEAL MEMBRANE | |

RAISED EDGE/CHECK KERB DETAIL VERGE DETAIL



KEY

- | | |
|------------------------|-------------------------------|
| ① SUBSTRATE | ⑦ RAISED EDGE/CHECK KERB TRIM |
| ② VAPOUR CONTROL LAYER | ⑧ WET LAMINATE TO SEAM |
| ③ INSULATION | ⑨ ADHESIVE BUTTON |
| ④ INSULATION STOP | ⑩ FASCIA BOARD |
| ⑤ FASCIA/WALL BATTEN | ⑪ ANTI-CORROSIVE FIXING |
| ⑥ DRYSEAL MEMBRANE | |

Product

DRYSEAL
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Hambleside

Danelaw

Trim Retaining Bracket Detail

It is normally adequate to fix DRYSEAL with preformed flat edge and raised edge trims by bonding to fascia/wall batten with approved adhesive buttons. However, on buildings of over four storeys or having severely exposed elevations then Hambleside Danelaw strongly recommend the use of galvanised retaining brackets.

1. Preparation

The roof decking is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminates.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. Insulation Stop

Supply and fix a 50 mm x the insulation thickness treated timber batten as insulation stop, fixed to deck at edges of roof using approved anti-corrosive fixings at 350 mm centres.

5. Fascia/Wall Batten

Supply and fix 38 x 25 mm treated timber batten to fascia/wall, aligned to receive retaining brackets with bracket top on roof surface.

6. Retaining Bracket

Supply and fix DRYSEAL galvanised retaining brackets at 450 to 900 mm centres subject to situation, secured to timber wall/fascia batten and roof surface.

7. DRYSEAL GRP Trims

Supply and fix DRYSEAL trims with min. 50 mm end laps. Clip trims over galvanised retaining brackets and secure on roof surface with flat sheet lap fixing.

8. DRYSEAL Membrane

Supply and fix flat sheet securing with approved anti-corrosive fixings at appropriate centres through trim to insulation. Alternatively on cold roof constructions fix to substrate appropriate centres using approved anti-corrosive fixings and stress plates.

9. Seams and Laps

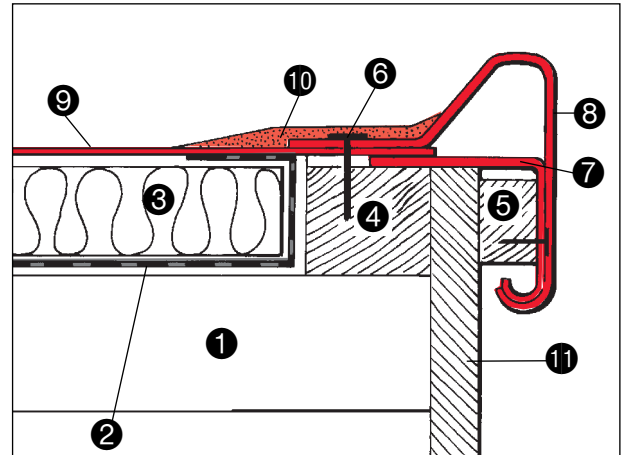
Supply and fix wet laminate to all seams/laps and exposed fixings. #

10. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

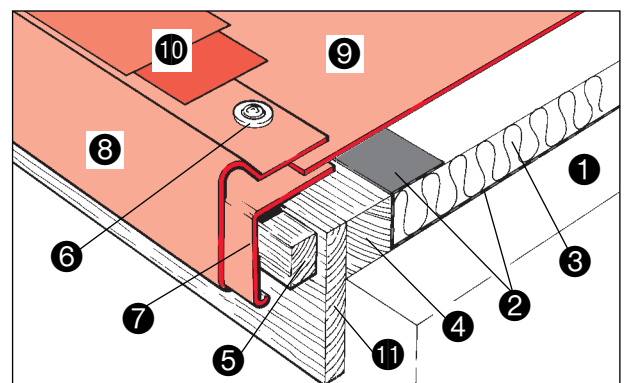
TRIM RETAINING BRACKET DETAIL



KEY

- | | |
|-------------------------|-------------------------|
| 1 SUBSTRATE | 7 TRIM RETAINING CLIP |
| 2 VAPOUR CONTROL LAYER | 8 GRP TRIM |
| 3 INSULATION | 9 DRYSEAL MEMBRANE |
| 4 INSULATION STOP | 10 WET LAMINATE TO SEAM |
| 5 FASCIA/WALL BATTEN | 11 FASCIA BOARD |
| 6 ANTI-CORROSIVE FIXING | |

TRIM RETAINING BRACKET DETAIL VERGE DETAIL



KEY

- | | |
|-------------------------|-------------------------|
| 1 SUBSTRATE | 7 TRIM RETAINING CLIP |
| 2 VAPOUR CONTROL LAYER | 8 GRP TRIM |
| 3 INSULATION | 9 DRYSEAL MEMBRANE |
| 4 INSULATION STOP | 10 WET LAMINATE TO SEAM |
| 5 FASCIA/WALL BATTEN | 11 FASCIA BOARD |
| 6 ANTI-CORROSIVE FIXING | |

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Deck to Wall Detail Warm Roof

Wall Fillet

1. Preparation

Provide suitable chase as necessary to a depth of 25 mm allowing for installation of cover flashing. The roof deck and brickwork, etc. to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet, laid over insulation to substrate.

5. DRYSEAL GRP Wall Fillet/Deck to Wall Trim

Supply and fix DRYSEAL preformed wall fillet with 50 mm end laps, ensuring a snug fit to wall. Secure to substrate over flat sheet at appropriate centres with approved anti-corrosive fixings and stress plates.

6. Seams and Laps

Supply and fix wet laminate to all seams/laps and exposed fixings. #

7. Top Coat

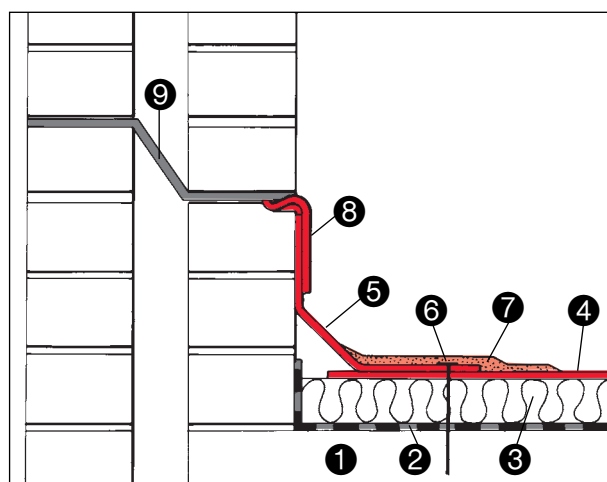
Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

8. Cover Flashing

Supply and fix DRYSEAL preformed wall flashing with 50 mm end laps. Secure in chase with wedges and seal with approved sealant, or install lead flashing in conventional manner. # Where the preformed Dryseal cover flashing is used, it is important to achieve good embedment depth and that on internal and external corner junctions, a lead under flashing is used to maintain continuity of the flashing detail.

Note: # see Installation Section.

DECK TO WALL TRIM DETAIL SHOWING CAVITY TRAY



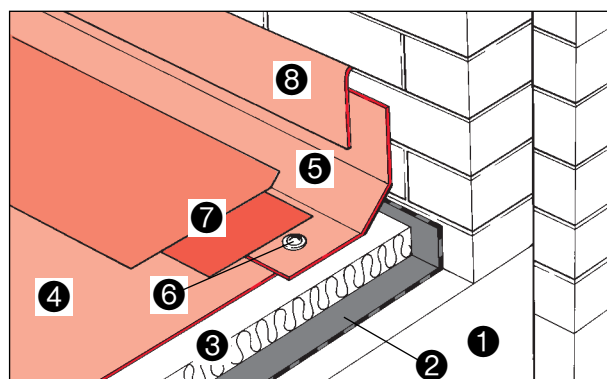
Note:

(Where cavity tray is installed, ensure wall/cover flashing is installed under it.)

KEY

- | | |
|------------------------|-------------------------|
| 1 SUBSTRATE | 6 ANTI-CORROSIVE FIXING |
| 2 VAPOUR CONTROL LAYER | 7 WET LAMINATE TO SEAM |
| 3 INSULATION | 8 COVER FLASHING |
| 4 DRYSEAL MEMBRANE | 9 CAVITY TRAY |
| 5 GRP FILLET TRIM | |

DECK TO WALL DETAIL FLASHING TO WALL



KEY

- | | |
|------------------------|-------------------------|
| 1 SUBSTRATE | 5 GRP FILLET TRIM |
| 2 VAPOUR CONTROL LAYER | 6 ANTI-CORROSIVE FIXING |
| 3 INSULATION | 7 WET LAMINATE TO SEAM |
| 4 DRYSEAL MEMBRANE | 8 COVER FLASHING |

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D

Hambleside

Danelaw

Parapet Wall Encapsulation Detail

Warm Roof

1. Preparation

The roof decking and brickwork is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet, laid over insulation to substrate.

5. DRYSEAL GRP Wall Fillet/Deck to Wall Trim

Supply and fix DRYSEAL preformed wall fillet with 50 mm end laps, ensuring a snug fit to wall. Secure to substrate over flat sheet at appropriate centres with approved anti-corrosive fixings and stress plates.

6. DRYSEAL GRP Vertical Membrane

Supply and fix DRYSEAL flat sheeting cut to size. Secured to top of internal face of parapet under 38 mm × 25 mm treated timber batten using approved anti-corrosive fixings at maximum 600 mm centres. All side and end laps to be a minimum of 50 mm, to be secured with approved anti-corrosive fixings and stress plates at appropriate centres.

7. DRYSEAL GRP Parapet Capping

Supply and fix 38 mm × 25 mm treated batten to external face of parapet using approved anti-corrosive fixings at 600 mm centres. Supply and fix two preformed capping trims with min. 50 mm side end laps. Internal face to be free from dust, clean and dry to receive 15 mm adhesive buttons at 200 mm centres corresponding to batten level. Bond trim to battens applying pressure to the external face to ensure good adhesive contact. Secure through created lap and on the face or top of trim at centres appropriate to situation using approved anti-corrosive fixings and stress plates.

8. Seams and Laps

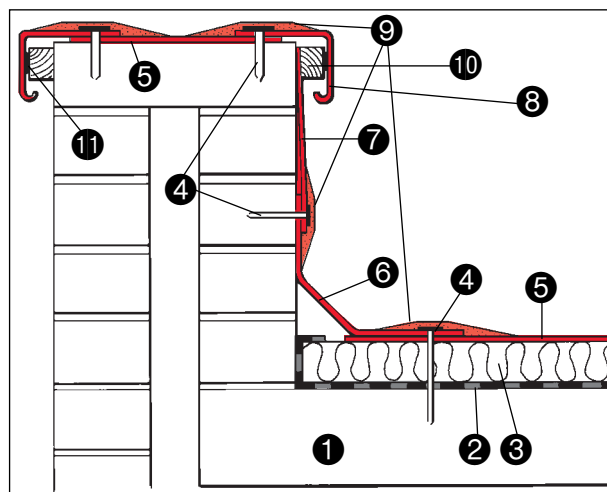
Supply and fix wet laminate to all seams/laps and exposed fixings. #

9. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

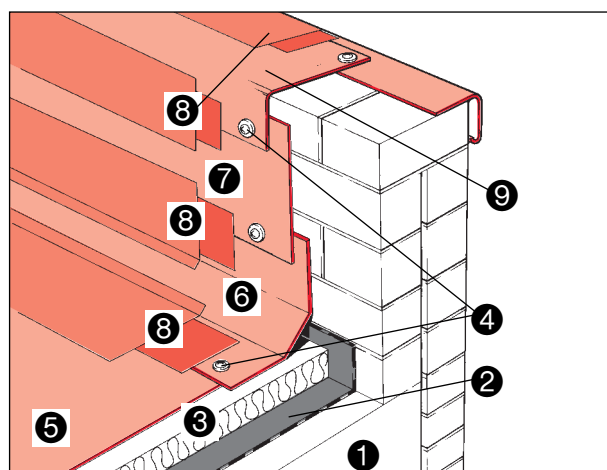
PARAPET WALL AND COPING TOP DETAIL



KEY

- | | |
|-------------------------|-------------------------|
| ① SUBSTRATE | ⑦ GRP VERTICAL MEMBRANE |
| ② VAPOUR CONTROL LAYER | ⑧ GRP TRIM |
| ③ INSULATION | ⑨ WET LAMINATE TO SEAM |
| ④ ANTI-CORROSIVE FIXING | ⑩ TIMBER BATTEN |
| ⑤ DRYSEAL MEMBRANE | ⑪ ADHESIVE BUTTONS |
| ⑥ FILLET TRIM | |

ALTERNATIVE PARAPET WALL ENCAPSULATION DETAIL



KEY

- | | |
|--------------------------|-------------------------|
| ① SUBSTRATE | ⑥ FILLET TRIM |
| ② VAPOUR CONTROL LAYER | ⑦ GRP VERTICAL MEMBRANE |
| ③ INSULATION | ⑧ WET LAMINATE TO SEAM |
| ④ ANTI-CORROSIVE FIXINGS | ⑨ GRP TRIM |
| ⑤ DRYSEAL MEMBRANE | |

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Through Wall Hopper Outlet Warm Roof

1. Preparation

Ensure the channel is clear, the roof decking and brickwork is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation and protective liner at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. Sump

Cut back insulation adjacent to outlet by 200 mm and chamfer to create sump. Alternatively, use timber tilt fillet. Lay a 12 mm protective liner to sole of sump and outlet.

5. DRYSEAL Membrane and GRP Trims

Supply and fix DRYSEAL flat sheet and preformed wall fillets, cut back to sump secured to substrate and brickwork using approved anti-corrosive fixings and stress plates.

6. Outlet

Supply and fix two preformed internal angles shaped to wall fillet, insulation and external wall to sides and base of outlet. Supply and fix two preformed external angles to outer corners of opening and drip trim to batten into hopper. Cut to size and fit flat sheet to form sole and sides of outlet.

7. Seams and Laps

Supply and fix wet laminate to all seams/laps and exposed fixings. #

8. Sealant

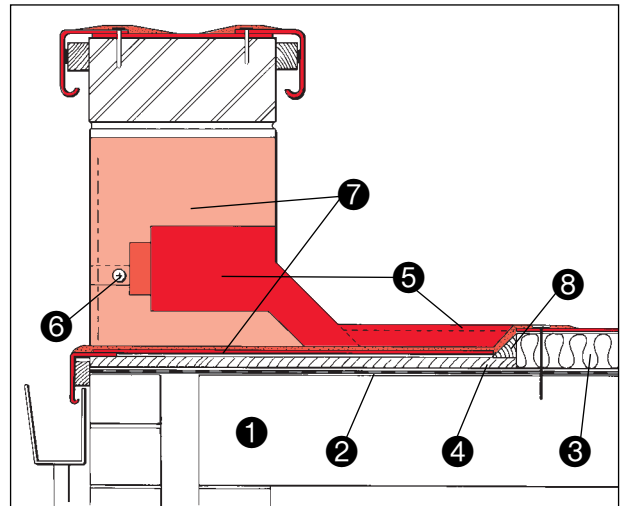
Supply and fix approved sealant at external wall face and behind trims.

9. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

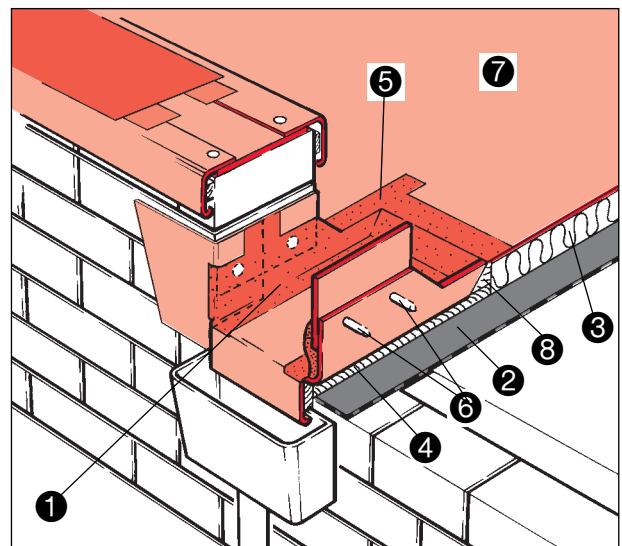
THROUGH WALL HOPPER OUTLET



KEY

- | | |
|------------------------|--------------------------|
| ① SUBSTRATE | ⑤ WET LAMINATE TO SEAM |
| ② VAPOUR CONTROL LAYER | ⑥ ANTI-CORROSIVE FIXINGS |
| ③ INSULATION | ⑦ DRYSEAL MEMBRANE |
| ④ PROTECTIVE LINER | ⑧ TILT FILLET |

THROUGH WALL HOPPER OUTLET PARAPET ENCAPSULATION DETAIL



KEY

- | | |
|------------------------|--------------------------|
| ① PRE-FORMED TRIMS | ⑤ WET LAMINATE TO SEAM |
| ② VAPOUR CONTROL LAYER | ⑥ ANTI-CORROSIVE FIXINGS |
| ③ INSULATION | ⑦ DRYSEAL MEMBRANE |
| ④ PROTECTIVE LINER | ⑧ TILT FILLET |

Product

DRYSEAL
Semi-rigid
Roofing System

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D

Hambleside

Danelaw

Proprietary Flanged Outlet Warm Roof

1. Preparation

The roof decking is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminates. Ensure clear passage to outlet pipework.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, around openings, with all laps sealed.

3. Outlet Sump

Cut back vapour control layer from outlet. Supply and fix DRYSEAL flat sheet and 12 mm protective liner, cut to size 100 mm minimum greater than external diameter of the outlet flange, cut hole in centre to accommodate outlet flange which is bonded to the flat sheet, using approved adhesive prior to fixing to substrate using approved anti-corrosive fixings.

4. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified, loose laid over vapour control layer with staggered joints and cut out to form sump.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

5. DRYSEAL Membrane and GRP Trims

Supply and fit DRYSEAL preformed external angle trims to sump perimeter and supply and fix flat sheet, laid over insulation and cut out to accommodate the sump. Fix through to substrate using approved anti-corrosive fixings and stress plates.

6. In-situ Laminate

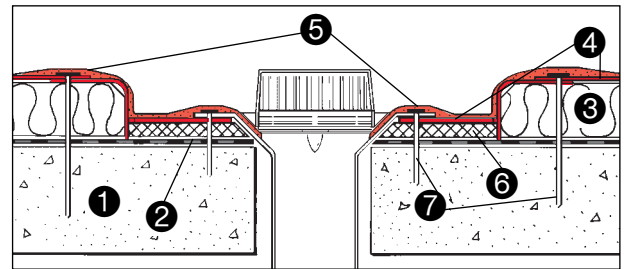
Supply and fix in-situ laminate from deck membrane over fixings, trims, sump sole and outlet flange, deep into neck of outlet. #

7. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

PROPRIETARY FLANGED OUTLET



KEY

- 1 SUBSTRATE
- 2 VAPOUR CONTROL LAYER
- 3 INSULATION
- 4 DRYSEAL MEMBRANE
- 5 WET LAMINATE
- 6 PROTECTIVE LINER
- 7 ANTI-CORROSIVE FIXINGS AND STRESS PLATES

Note: Detail to be adapted to suit outlets of different manufacturers.

Product

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Hambleside

Danelaw

Air Control Vent Detail Warm Roof

1. Preparation

The roof decking is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminates.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified, loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet laid over insulation, with min. 50mm side and end laps, fix using approved anti-corrosive fixings and stress plates in approved manner.

5. Air Control Vents (ACVs)

Mark out and cut holes in GRP flat sheet, insulation and vapour control layer to effect ventilation. Supply and fix DRYSEAL ACVs, placed over prepared holes and secured to deck with approved anti-corrosive fixings. Apply in-situ laminate from ACVs to deck membrane.

6. Seams and Laps

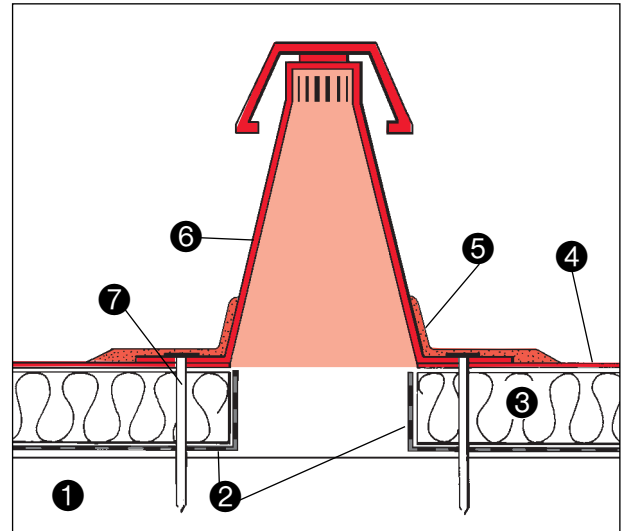
Supply and fix wet laminate to all seams/laps and exposed fixings. #

7. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

AIR CONTROL VENT DETAIL



KEY

- ① SUBSTRATE
- ② VAPOUR CONTROL LAYER
- ③ INSULATION
- ④ DRYSEAL MEMBRANE
- ⑤ WET LAMINATE
- ⑥ AIR CONTROL VENT
- ⑦ ANTI-CORROSIVE FIXINGS

Product

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Hambleside

Danelaw

Cold Pipe Penetration Detail

1. Preparation

The roof decking is to be of sound condition. Surface of roof and pipe to be dry, free from all loose material, debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified, loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet laid over insulation, with min. 50mm side and end laps.

5. In-situ Laminate

Form in-situ laminate to lap and form collar to deck membrane.

6. Seams and Laps

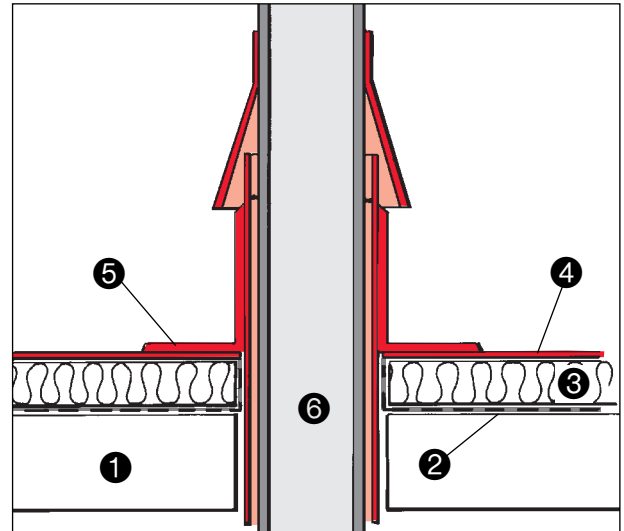
Supply and fix wet laminate to all seams/laps and exposed fixings. #

7. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

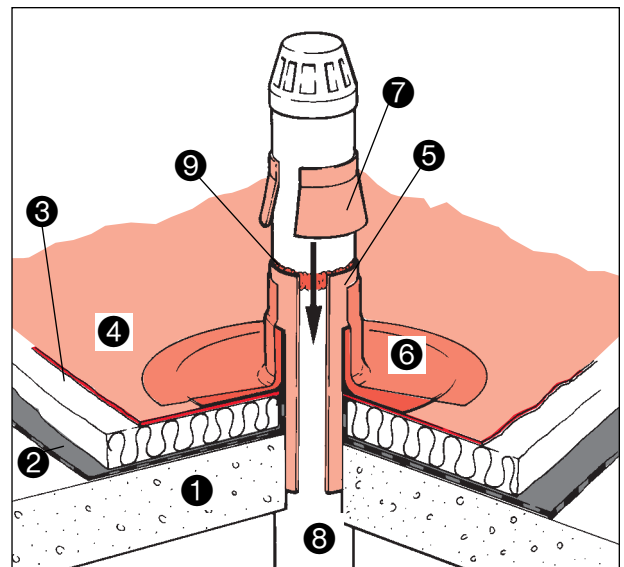
COLD PIPE PENETRATION DETAIL



KEY

- | | |
|------------------------|--------------------|
| ① SUBSTRATE | ④ DRYSEAL MEMBRANE |
| ② VAPOUR CONTROL LAYER | ⑤ WET LAMINATE |
| ③ INSULATION | ⑥ PIPE |

PIPE DETAIL



KEY

- | | |
|-------------------------|-------------------------|
| ① SUBSTRATE | ⑥ WET LAMINATE |
| ② VAPOUR CONTROL LAYER | ⑦ PIPE SKIRT (Optional) |
| ③ INSULATION | ⑧ PIPE |
| ④ DRYSEAL MEMBRANE | ⑨ ADHESIVE BEAD |
| ⑤ GRP COLLAR (Optional) | |

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D

Hambleside

Danelaw

Hot Pipe/Flue Penetration Detail

1. Preparation

The roof decking and pipe is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed and cut to pipe/flue.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified, loose laid over vapour control layer with staggered joints, cut to pipe/flue.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet laid to deck over insulation.

5. Pipe/Flue Insulant

Cut hole in substrate, vapour control layer, insulation and flat sheet to accommodate pipe/flue and insulant or insulation sleeve. Supply and fix adequate insulant or insulation sleeve to opening and around pipe/flue to a min. 150 mm above membrane level.

6. Collar

Supply and fix DRYSEAL flat sheet, cut to size to form collar (min. 150 mm high). Roll around pipe and insulation/insulation sleeve, temporarily secure.

7. In-situ Laminate

Form in-situ laminations from pipe/flue to collar, collar overlap and from collar to deck membrane. #

8. Pipe Skirt

Where possible add further protection with the addition of a proprietary pipe skirt, fixed above the formed collar.

9. Seams and Laps

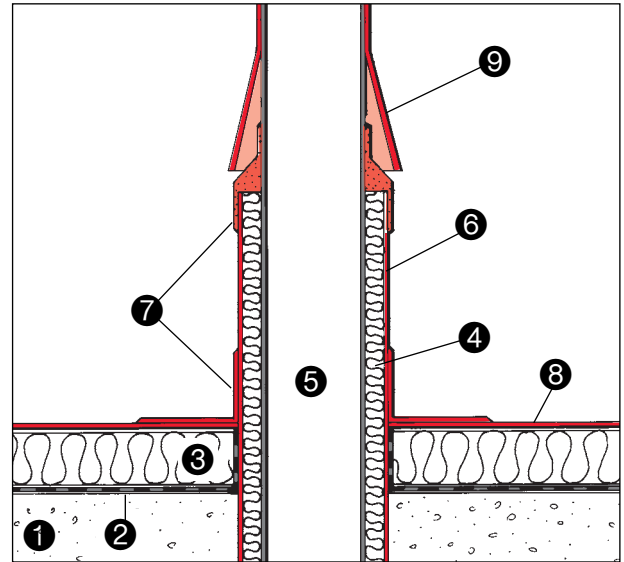
Supply and fix wet laminate to all seams/laps and exposed fixings. #

10. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

HOT PIPE/FLUE PENETRATION DETAIL



KEY

- ① SUBSTRATE
- ② VAPOUR CONTROL LAYER
- ③ INSULATION
- ④ INSULATION SLEEVE TO PIPE
- ⑤ PIPE
- ⑥ GRP COLLAR
- ⑦ WET LAMINATE
- ⑧ DRYSEAL MEMBRANE
- ⑨ PIPE SKIRT

Product

DRYSEAL
Semi-rigid
Roofing System

Section

Specification
Detail

Reference

D

Hambleside

Danelaw

Dryseal Expansion Joint

1. Preparation

The roof decking and pipe is to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminates.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, allowing 50 mm fold over joint filler, return over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints. Maintain continuous butt joint in insulation boards along the line of the expansion joint.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet laid over insulation, cut back from the line of the expansion joint.

5. DRYSEAL Preformed Expansion Joint

Supply and fix DRYSEAL preformed expansion joint. Locate directly over the expansion joint below and fix to substrate below on both sides using approved anti-corrosive fixings at appropriate centres.

6. Seams and Laps

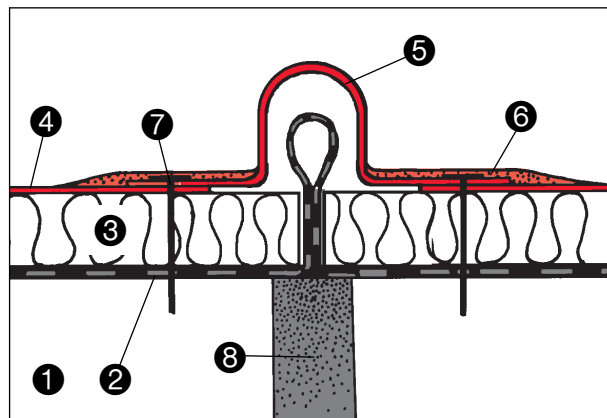
Supply and fix wet laminate to all seams/laps and exposed fixings. #

7. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

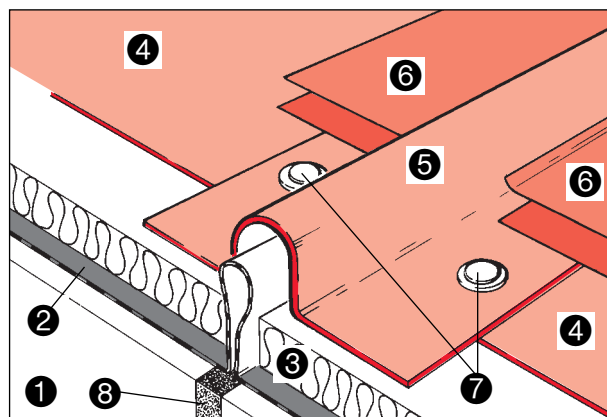
PREFORMED EXPANSION JOINT



KEY

- | | |
|------------------------|---------------------------------|
| ① SUBSTRATE | ⑤ PREFORMED GRP EXPANSION JOINT |
| ② VAPOUR CONTROL LAYER | ⑥ WET LAMINATE TO SEAM |
| ③ INSULATION | ⑦ ANTI-CORROSIVE FIXINGS |
| ④ DRYSEAL MEMBRANE | ⑧ EXISTING EXPANSION JOINT |

EXPANSION JOINT



KEY

- | | |
|------------------------|---------------------------------|
| ① SUBSTRATE | ⑤ PREFORMED GRP EXPANSION JOINT |
| ② VAPOUR CONTROL LAYER | ⑥ WET LAMINATE TO SEAM |
| ③ INSULATION | ⑦ ANTI-CORROSIVE FIXINGS |
| ④ DRYSEAL MEMBRANE | ⑧ EXISTING EXPANSION JOINT |

Product

DRYSEAL
Semi-rigid
Roofing System

Section

Specification
Detail

Reference

D

Hambleside

Danelaw

Twin Kerb Expansion Joint Warm Roof

1. Preparation

The roof decking and kerbs are to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified, loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet laid over insulation to kerb, either side of expansion joint.

5. DRYSEAL GRP Wall Fillets

Supply and fix wall fillets with 50 mm end laps, ensuring snug fit to kerbs. Secure to substrate over flat sheet using approved anti-corrosive fixings and stress plates at appropriate centres either side of expansion joint.

6. Forming GRP Expansion Joint

Supply and fix 18 mm external plywood cut to size to bridge kerbs plus 75 mm. Two 38 mm × 25 mm treated timber battens are fixed to the under side of the plywood at either edge. Place over kerbs, aligning with and fixed to one kerb only, using approved anti-corrosive fixings at appropriate centres.

Supply and fix DRYSEAL capping trims, ensuring min. 50 mm side and end laps. Fix through created lap using approved anti-corrosive fixings that do not fully penetrate the plywood over 'free' side of kerb detail.

7. Seams and Laps

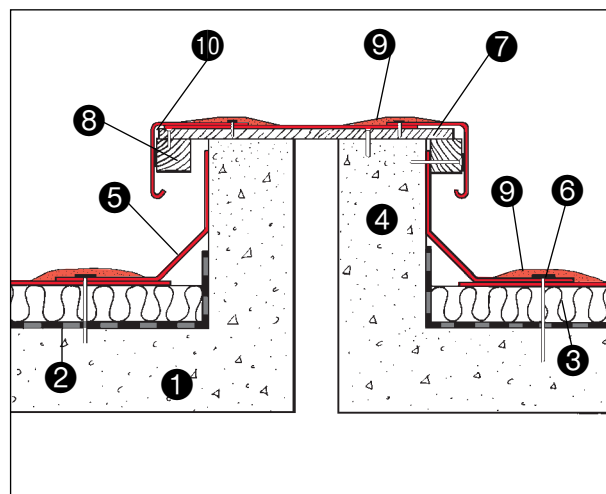
Supply and fix wet laminate to all seams/laps and exposed fixings. #

8. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

TWIN KERB EXPANSION JOINT



KEY

- ① SUBSTRATE
- ② VAPOUR CONTROL LAYER
- ③ INSULATION
- ④ KERBS
- ⑤ WALL FILLETS
- ⑥ ANTI-CORROSIVE FIXINGS
- ⑦ 18 mm PLYWOOD
- ⑧ TIMBER BATTENS
- ⑨ WET LAMINATE
- ⑩ GRP TRIMS

Product
DRYSEAL
Semi-rigid
Roofing System

Section
Specification
Detail

Reference
D

Layboard Detail Warm Roof

1. Preparation

The roof decking and layboard are to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified, loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

On cold roof applications, care should be taken to ensure that adequate air flow is maintained from the pitched roof, between the deck and insulation of the flat roof through to appropriate roof perimeter ventilators.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet cut to size, laid to deck over insulation and up to layboard with minimum 50 mm side and end laps. Secure to deck through laps and adjacent to layboard using approved anti-corrosive fixings and stress plates at appropriate centres.

6. DRYSEAL GRP Layboard Trim

Supply and fix DRYSEAL preformed layboard trim with 50 mm end laps, secured through flat sheet to substrate using approved anti-corrosive fixings at appropriate centres. Ensure that the long flange of the trim is inserted behind the sarking felt under the tiles.

7. Dormer Roofs

In dormer roof situations, use lead saddle flashing to substrate, fascia and tiles, fixed prior to laying DRYSEAL system. Flat sheet and trims laid to layboard should continue beyond dormer on to lead flashing.

8. Seams and Laps

Supply and fix wet laminate to all seams/laps and exposed fixings. #

9. Top Coat

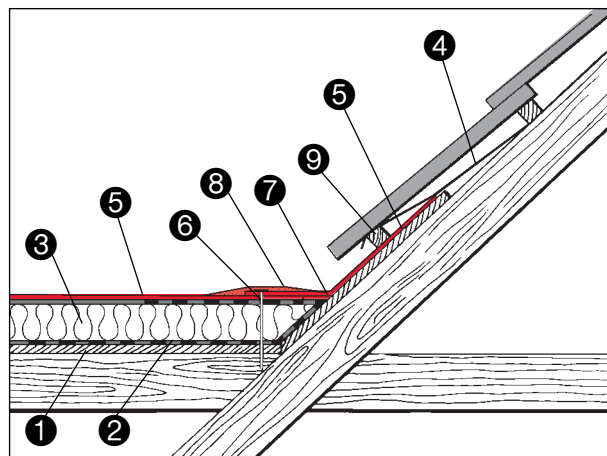
Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

10. Tile Support

Supply and fix treated timber battens or tilt fillets bedded in approved adhesive over layboard trim to rafters or layboard below.

Note: # see Installation Section.

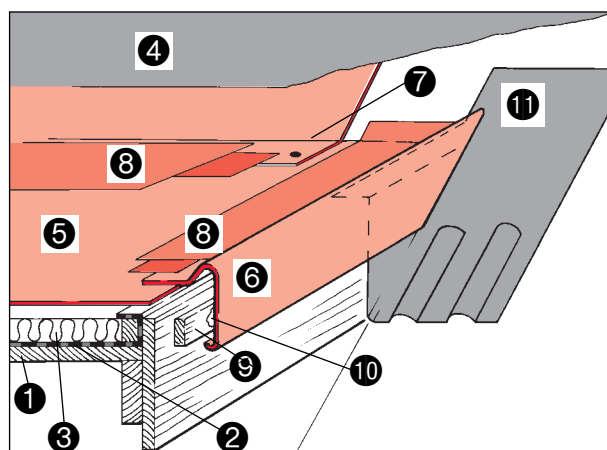
LAYBOARD DETAIL



KEY

- | | |
|------------------------|--------------------------|
| ① SUBSTRATE | ⑥ ANTI-CORROSIVE FIXINGS |
| ② VAPOUR CONTROL LAYER | ⑦ PREFORMED GRP ANGLE |
| ③ INSULATION | ⑧ WET LAMINATE TO SEAMS |
| ④ SARKING FELT | ⑨ TILE SUPPORT |
| ⑤ DRYSEAL MEMBRANE | |

LAYBOARD DETAIL LEAD SADDLE FLASHING TO DORMER



KEY

- | | |
|------------------------|-------------------------|
| ① SUBSTRATE | ⑦ ADJUSTABLE ANGLE |
| ② VAPOUR CONTROL LAYER | ⑧ WET LAMINATE TO SEAMS |
| ③ INSULATION | ⑨ FASCIA BATTEN |
| ④ SARKING FELT | ⑩ ADHESIVE BUTTON |
| ⑤ DRYSEAL MEMBRANE | ⑪ GRP OR LEAD SADDLE |
| ⑥ GRP TRIM | |

Product

DRYSEAL
Semi-rigid
Roofing System

Section

Specification
Detail

Reference

D

Hambleside

Danelaw

Rooflight Detail

1. Preparation

The roof decking and kerbs are to be of sound condition. Surface to be dry, free from debris, oil, grease and chemical contaminants.

2. Vapour Control Layer

Supply and fix a recognised vapour control layer laid to substrate, returned over insulation at perimeter edges and around openings, with all laps sealed.

3. Insulation

Supply and fix rigid insulation board of a thickness to achieve the required 'U' value as specified; loose laid over vapour control layer with staggered joints.

Note:

The DRYSEAL system is compatible with any recognised roof grade rigid insulation board having sufficient compressive strength to resist indentation when fixed.

4. DRYSEAL Membrane

Supply and fix DRYSEAL flat sheet laid to deck over insulation with minimum 50 mm side and end laps.

5. DRYSEAL Preformed Wall Fillet

Supply and fix DRYSEAL GRP preformed wall fillet, secured to deck over flat sheet using approved anti-corrosive fixings at appropriate centres and ensuring snug fit under rooflight drip flashing. If height of available trims is insufficient, increase using flat sheet rivetted to trim with in situ laminate joint.

6. In-situ Laminate

Form in-situ to corners as required. #

7. Seams and Laps

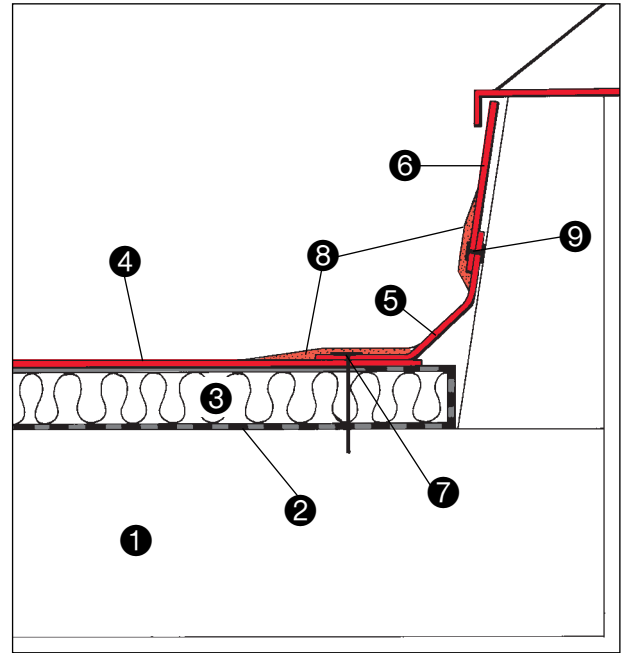
Supply and fix wet laminate to all seams/laps and exposed fixings. #

8. Top Coat

Apply polyester top coat system at a rate of 1 litre per 3 m² maximum on all clean and dry surfaces. #

Note: # see Installation Section.

ROOFLIGHT DETAIL



KEY

- ① SUBSTRATE
- ② VAPOUR CONTROL LAYER
- ③ INSULATION
- ④ DRYSEAL MEMBRANE
- ⑤ PREFORMED GRP WALL FILLET
- ⑥ VERTICAL GRP MEMBRANE
- ⑦ ANTI-CORROSIVE FIXINGS
- ⑧ WET LAMINATE TO SEAMS
- ⑨ ALUMINIUM RIVETS