1	Substrate
2	 Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA
2	 Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen
3	 Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation and Pro-Prime® SA
(5)	 Proteus Pro-Felt <sup>®</sup> Endura SA Underlay
6	Proteus Pro-Felt <sup>®</sup> Endura Capsheet

# **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

# Proteus Waterproofing Ltd.

21a Sirdar Road, Brook Road Industrial Estate, Rayleigh, Essex, SS6 7XF

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#### Notes:

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Drawing No.:

Roof Type:

SD\_PFEN\_BUR\_01

BUR

Description:

#### **Horizontal Surface**

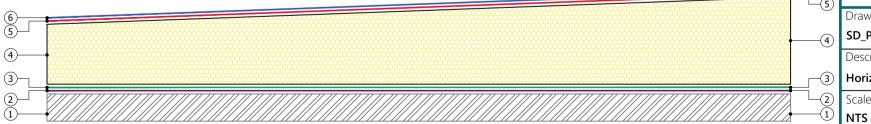
Scale:

Drawn: Date:

W.Harding

15/04/2025





1	Substrate
2	 Timber substrate: Proteus Pro-Felt <sup>®</sup> Endura SA AVCL and Pro-Prime <sup>®</sup> SA
2	 Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen
3	 Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation and Pro-Prime® SA
(5)	 Proteus Pro-Felt <sup>®</sup> Endura SA Underlay
6	 Proteus Pro-Felt <sup>®</sup> Endura Capsheet

# 

# **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

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Drawing No.:

Roof Type:

SD\_PFEN\_BUR\_02

BUR

Description:

#### Vertical Rainwater Outlet

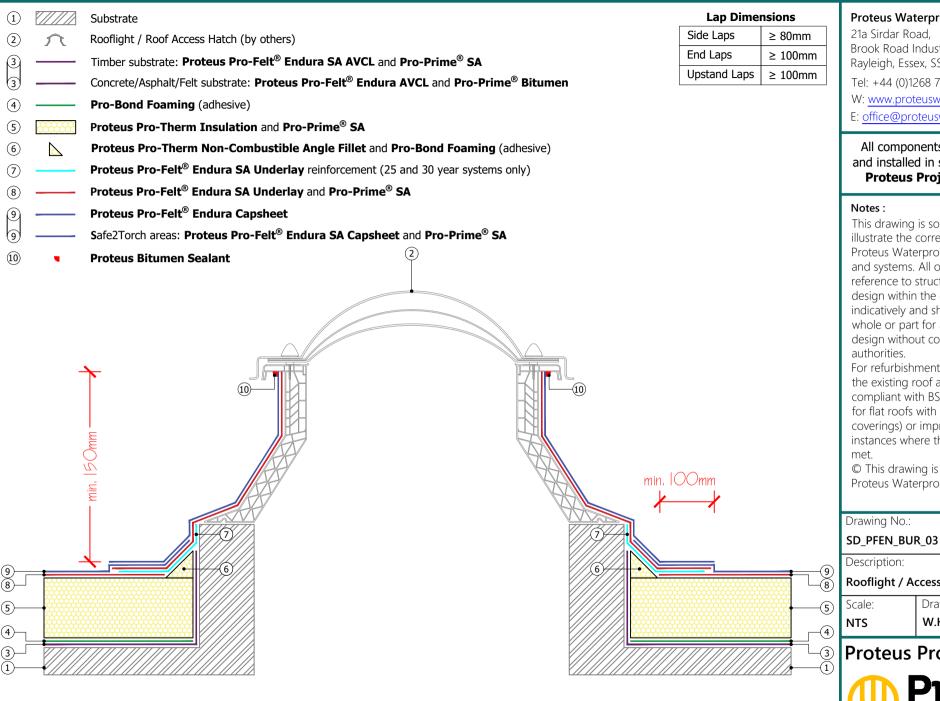
Scale: NTS Drawn:

W.Harding

15/04/2025

Date:





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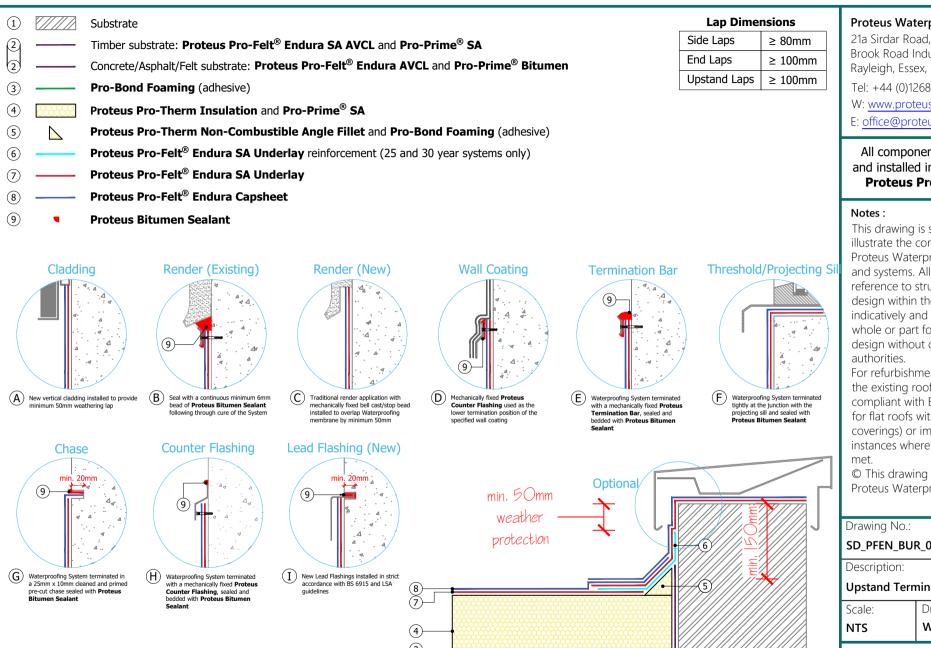
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> Roof Type: BUR

# Rooflight / Access Hatch

Drawn: Date: W.Harding 15/04/2025





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Roof Type: SD PFEN BUR 04 BUR **Upstand Terminations** Drawn: Date:

W.Harding 15/04/2025



1	Substrate
2	 Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA
2	 Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen
3	 Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation and Pro-Prime® SA
(5)	Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)
6	 Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)
7	 Safe2Torch areas: Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA
8	 Proteus Pro-Felt <sup>®</sup> SA Capsheet and Pro-Prime <sup>®</sup> SA
9	 Safe2Torch areas: Proteus Pro-Felt <sup>®</sup> Endura SA Capsheet and Pro-Prime <sup>®</sup> SA
9	 Proteus Pro-Felt <sup>®</sup> Endura Capsheet

**(4)**-

(3)-

min, 50mm

protection

# **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

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Drawing No.: SD\_PFEN\_BUR\_05

Roof Type:

BUR

Description:

**Insulated Parapet - Capping** 

Scale: NTS Drawn:

W.Harding

Date: **15/04/2025** 



Substrate Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen Pro-Bond Foaming (adhesive)  Proteus Pro-Therm Insulation and Pro-Prime® SA Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only) Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only) SafeZiTorch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA Proteus Pro-Felt® Endura Capsheet    Proteus Pro-Felt® Endura Capsheet   Proteus Pro-Felt® E					
Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen  Pro-Bond Foaming (adhesive)  Proteus Pro-Therm Insulation and Pro-Prime® SA  Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)  Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA  Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA  Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA  Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA  Proteus Pro-Felt® Endura Capsheet  min. 5 Cmm  weather  protection	1		Substrate		
Upstand Laps 2 100mm  Pro-Bond Foaming (adhesive)  Proteus Pro-Therm Insulation and Pro-Prime® SA  Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)  Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA  Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA  Proteus Pro-Felt® Endura Capsheet   min. 5 Omm  weather  protection	2		Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA	-	
Proteus Pro-Therm Insulation and Pro-Prime® SA Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive) Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only) Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA Proteus Pro-Felt® Endura Capsheet  Proteus Pro-Felt® Endura Capsheet  Min. FOmm weather protection	2		Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen		
Proteus Pro-Flet® Endura SA Underlay reinforcement (25 and 30 year systems only) Proteus Pro-Fett® Endura SA Underlay and Pro-Prime® SA Proteus Pro-Fett® Endura SA Underlay and Pro-Prime® SA Proteus Pro-Fett® SA Capsheet and Pro-Prime® SA Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA Proteus Pro-Felt® Endura Capsheet  Proteus Pro-Felt® Endura Capsheet  Proteus Pro-Felt® Endura Capsheet	3		Pro-Bond Foaming (adhesive)	Upstand Laps	≥ 100mm
G. Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)  (7) Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA  (8) Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA  (9) SafeZTorch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA  (9) Proteus Pro-Felt® Endura Capsheet  (8) Proteus Pro-Felt® Endura Capsheet  (9) Proteus Pro-Felt® Endura Capsheet	4		Proteus Pro-Therm Insulation and Pro-Prime® SA		
Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA  Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA  Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA  Proteus Pro-Felt® Endura Capsheet  min. 5 Omm weather protection	(5)		Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)		
Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA  Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA  Proteus Pro-Felt® Endura Capsheet  Proteus Pro-Felt® Endura Capsheet  min. 5Omm weather protection  Proteus Pro-Felt® Endura Capsheet	6		Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)		
Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA Proteus Pro-Felt® Endura Capsheet  min. 5 Omm weather protection  **Torce Color ***Torce Color ***Torce Color ***Torce Color ***Torce Color ***Torce Color ***Torce Col	7		Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA		
Proteus Pro-Felt® Endura Capsheet  min. 50mm weather protection  Protection	8		Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA		
min. 50mm weather protection	9		Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA		
weather protection  9 7 4 3	9		Proteus Pro-Felt <sup>®</sup> Endura Capsheet		
weather protection  9 7 4 3					
weather protection  9 7 4 3					
weather protection  9 7 4 3					
weather protection  9 7 4 3					
weather protection					
weather protection					
weather protection  9 7 4 3					
weather protection  9 7 4 3					
weather protection  9 7 4 3					
weather protection					
weather protection			min. 50mm		
				8	
			protection	(6)	
4					
4	(9)			[5] E	
3	7				
	4				
	3				
	2				
	1	<u>V///</u>		<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	

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Drawing No.: Roof Type:

SD\_PFEN\_BUR\_06

Description:

Parapet - Capping

Scale: Drawn: NTS W.Harding

Date: 15/04/2025

BUR



1 /////	Substrate		Lap Dimer	nsions
2 —	Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA		Side Laps	≥ 80mm
2 —	Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen		End Laps	≥ 100mm
3 —	Pro-Bond Foaming (adhesive)		Upstand Laps	≥ 100mm
4	Proteus Pro-Therm Insulation and Pro-Prime® SA			
⑤ 📐	Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)			
6	Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)			
⑦ ——	Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA			
8	Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA			
9	Safe2Torch areas: Proteus Pro-Felt <sup>®</sup> Endura SA Capsheet and Pro-Prime <sup>®</sup> SA			
9 —	Proteus Pro-Felt® Endura Capsheet			
10 7	GRP Trim (mechanically fixed)			
				(1)
		8	mulin 150mm	

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Drawing No.: SD\_PFEN\_BUR\_07

Roof Type:

BUR

Date:

Description:

Parapet - GRP Trim

Scale:

Drawn:

W.Harding

15/04/2025



1		Substrate
2		Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA
2		Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen
3		Pro-Bond Foaming (adhesive)
4		Proteus Pro-Therm Insulation and Pro-Prime® SA
(5)		Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)
6		Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)
7		Proteus Pro-Felt® Endura SA Underlay and Pro-Prime® SA
8		Proteus Pro-Felt <sup>®</sup> SA Capsheet and Pro-Prime <sup>®</sup> SA
9		Safe2Torch areas: Proteus Pro-Felt <sup>®</sup> Endura SA Capsheet and Pro-Prime <sup>®</sup> SA
9		Proteus Pro-Felt <sup>®</sup> Endura Capsheet
10	•	Proteus Bitumen Sealant

4

(3)-

# **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

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Drawing No.:

Roof Type:

SD\_PFEN\_BUR\_08

BUR

Description:

Threshold (Existing) - Sealant

Scale: NTS

Drawn:

Date: W.Harding

15/04/2025



1) /////	Substrate	Lap Dimensions	
2	Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA	Side Laps ≥ 80mm	
2	Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen	End Laps ≥ 100mm	
<u> </u>	Pro-Bond Foaming (adhesive)	Upstand Laps ≥ 100mm	ı
1)	Proteus Pro-Therm Insulation and Pro-Prime® SA		
5 <u> </u>	Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)		
5 —	Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)		
<u> </u>	Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA		
3	Proteus Pro-Felt <sup>®</sup> SA Capsheet and Pro-Prime <sup>®</sup> SA		
<u> </u>	Safe2Torch areas: Proteus Pro-Felt <sup>®</sup> Endura SA Capsheet and Pro-Prime <sup>®</sup> SA		
	Proteus Pro-Felt <sup>®</sup> Endura Capsheet		
	EPDM membrane (min. 100mm lap onto waterproofing)		
			1
		6	
<b>—</b>		(5)	
5—		(////// <u>\\</u>	
1)—			
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2			
J <u>V///</u>			
	-	<u> </u>	

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Drawing No.:

Roof Type:

SD\_PFEN\_BUR\_09

BUR

Description:

Threshold (New) - EPDM

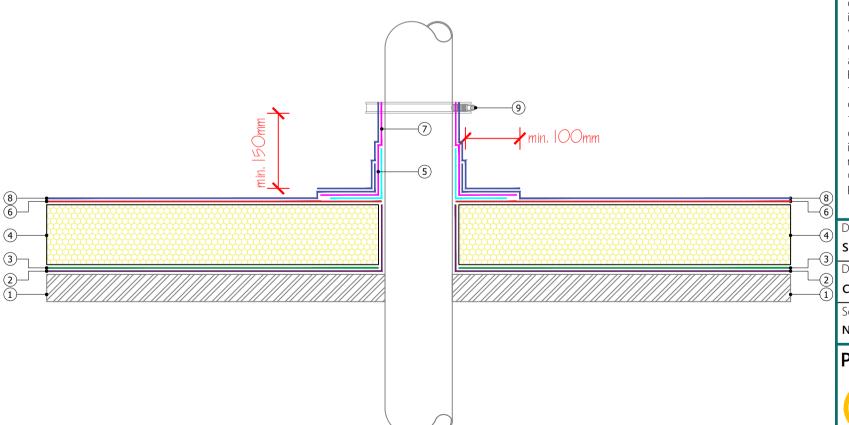
Drawn:

W.Harding

Date: 15/04/2025



1	Substrate
2	 Timber substrate: Proteus Pro-Felt <sup>®</sup> Endura SA AVCL and Pro-Prime <sup>®</sup> SA
2	 Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen
3	Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation and Pro-Prime® SA
(5)	 Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)
6	 Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA
7	 Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA
8	Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA
8	 Proteus Pro-Felt <sup>®</sup> Endura Capsheet
9	 Jubilee Clip (by others)



## **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

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Drawing No.:

Roof Type:

SD\_PFEN\_BUR\_10

BUR

Description:

# **Cold Pipe Penetration**

Scale: NTS Drawn: **W.Harding** 

Date: **15/04/2025** 



1	Substrate
2	 Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA
2	 Concrete/Asphalt/Felt substrate: <b>Proteus Pro-Felt<sup>®</sup> Endura AVCL</b> and <b>Pro-Prime<sup>®</sup> Bitumen</b>
3	Pro-Bond Foaming (adhesive)
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7	 Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA
8	 Proteus Pro-Felt <sup>®</sup> SA Capsheet and Pro-Prime <sup>®</sup> SA
9	 Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA
9	 Proteus Pro-Felt <sup>®</sup> Endura Capsheet

**(4)**-

min, 100mm

min. 100mm

# Lap DimensionsSide Laps≥ 80mmEnd Laps≥ 100mmUpstand Laps≥ 100mm

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#### Notes:

NTS

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Drawing No.:

SD\_PFEN\_BUR\_11

Description:
Insulated Parapet Gutter

Scale:

Drawn:
Date:

W.Harding 15/04/2025



1	Substrate
2	 Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA
2	 Concrete/Asphalt/Felt substrate: Proteus Pro-Felt® Endura AVCL and Pro-Prime® Bitumen
3	 Pro-Bond Foaming (adhesive)
4	Proteus Pro-Therm Insulation and Pro-Prime® SA
5	Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)
6	 Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)
7	 Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA
8	 Proteus Pro-Felt® SA Capsheet and Pro-Prime® SA
9	 Safe2Torch areas: Proteus Pro-Felt® Endura SA Capsheet and Pro-Prime® SA
9	 Proteus Pro-Felt <sup>®</sup> Endura Capsheet

**(4)**-

min, 100mm

min, 100mm

# **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

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Drawing No.: Roof Type:

SD\_PFEN\_BUR\_12

BUR

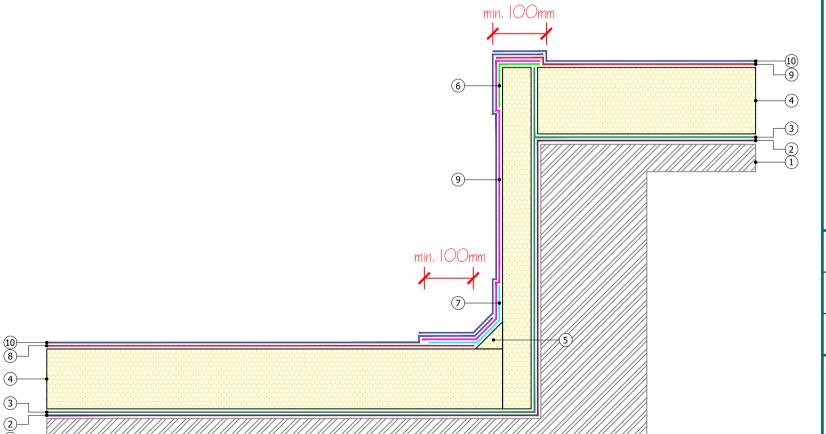
Description:

# **Uninsulated Parapet Outlet**

Scale: Drawn: NTS W.Harding Date: 15/04/2025



1		Substrate
2		Timber substrate: Proteus Pro-Felt® Endura SA AVCL and Pro-Prime® SA
2		Concrete/Asphalt/Felt substrate: <b>Proteus Pro-Felt® Endura AVCL</b> and <b>Pro-Prime® Bitumen</b>
3		Pro-Bond Foaming (adhesive)
4		Proteus Pro-Therm Insulation and Pro-Prime® SA
(5)		Proteus Pro-Therm Non-Combustible Angle Fillet and Pro-Bond Foaming (adhesive)
6	L	Metal angle (by others) and <b>Pro-Bond Foaming</b> (adhesive)
7		Proteus Pro-Felt® Endura SA Underlay reinforcement (25 and 30 year systems only)
8		Proteus Pro-Felt <sup>®</sup> Endura SA Underlay and Pro-Prime <sup>®</sup> SA
9		Proteus Pro-Felt <sup>®</sup> SA Capsheet and Pro-Prime <sup>®</sup> SA
10		Safe2Torch areas: Proteus Pro-Felt <sup>®</sup> Endura SA Capsheet and Pro-Prime <sup>®</sup> SA
10		Proteus Pro-Felt <sup>®</sup> Endura Capsheet



## **Lap Dimensions**

Side Laps	≥ 80mm
End Laps	≥ 100mm
Upstand Laps	≥ 100mm

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All components are to be prepared and installed in strict accordance with **Proteus Project Specification** 

#### Notes:

This drawing is solely intended to illustrate the correct application of Proteus Waterproofing Ltd's products and systems. All other elements bearing reference to structural and/or thermal design within the detail are shown indicatively and should not be used in whole or part for any aspect of project design without consulting the relevant authorities.

For refurbishment projects, all aspects of the existing roof are deemed to be fully compliant with BS 6229 (Code of practice for flat roofs with continuously supported coverings) or improved upon for instances where these standards are not

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Drawing No.: Roof Type: SD\_PFEN\_BUR\_13 BUR

Description:

#### **Roof Transition**

Scale: Drawn: NTS W.Harding Date: 15/04/2025

