

DESCRIPTION

Hot roofs are comprised of 3 elements:

- A main structure (wood, concrete or metal panel)
- An external insulation (EPS foam)
- A waterproofing membrane (PVC, Bitumen or EPDM)

The hot roof post is developed as an intermediate between Tractel® single cable lifelines Travsmart and Travspring™ and these roofs.

Specially designed, it allows a proper installation without removing the insulation.

The hot roof post has been tested to withstand the forces generated by the associated lifeline in case of a fall.



COMPATIBLE ROOFS AND FIXING

All roofs must have an insulation at least EPS100, with a minimum thickness of 60 mm, and a maximum thickness of 600 mm. Compatible structures are defined in the following table:

		Type of structure	
Fixing by toggle bolts		Fixing by concrete dowels	
Wood: min. 12 mm thickness		Concrete: C20/25 at least and min. 135 mm thickness	
Steel trays: min. 0.42 mm thickness Aluminium trays: min. 0.70 mm thickness		Cellular concrete: C20/25 at least and min. 66 mm thickness	fig. 2.5

Each intermediate post is fixed by one toggle bolt or concrete dowels, while each end/corner post is fixed by four toggle bolts or concrete dowels.

WATERPROOFING MEMBRANE

Hot roofs mainly have a top layer waterproofing membrane, made of bitumen, PVC or EPDM.

To guarantee water sealing after installation, rosettes are needed and must be put in place after fixation of the post. This must be done with a proper sealing kit and by a professional.

Tractel® proposes several rosettes, according to the membrane type and typology of post (intermediate or end/corner post).

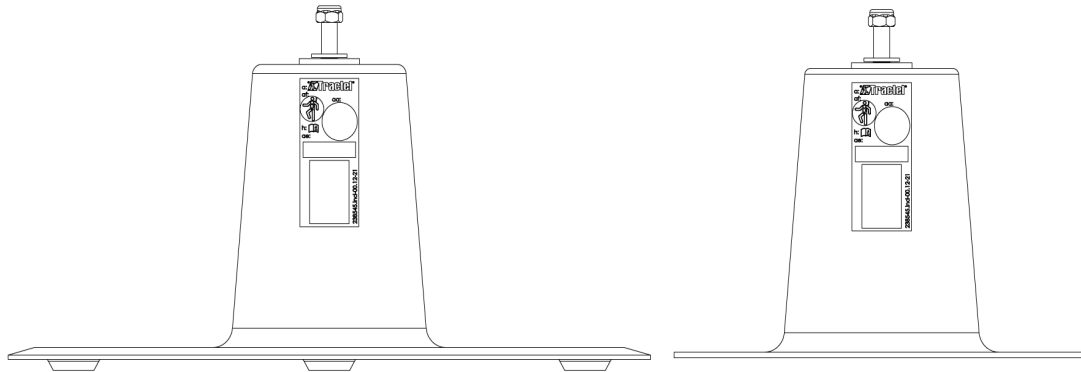
The water sealing on top of the post is ensured by a sealing washer. This is pre-assembled at factory to ease the installation on site.



TOOLS

Tractel® can provide tools to help installers. Among these tools:

- A toggle bolt tool helping to deploy the toggle bolt when inserting it into the roof.
- Two sockets wrench extension M10 and M12
- Two hole saws Ø30 and Ø44 mm
- Two quick-hitch arbors for hole saws

TECHNICAL CHARACTERISTICS


MODEL		End / Corner post	Intermediate post
Height	mm	200	
Outer diameter	mm	490	315
Fixation		By four holes spacing Ø410mm	By central rod
Material		Body in Alumium EN AW-1050A Interface part AISI 316L Nuts A2-70	
Coating		Body : yellow painted	
Weight	kg	3.5	1.6
Marking		Permanent sticker	
Fixing		By four toggle bolts/dowels + washers and nuts	By one toggle bolt/dowel +
Option		PVC coating	
Compatible rosette		EPDM, PVC and Bitumen	

PRODUCT CODES

Code	Description	Weight (kg)	Dimensions (mm)	EAN Code
Post				
218278	End/corner post	3.5	Ø490 x 220	3600232182788
218308	End/corner post, PVC base	3.7	Ø490 x 220	3600232183082
218288	Intermediate post	1.6	Ø315 x 220	3600232182887
218298	Intermediate post, PVC base	1.7	Ø315 x 220	3600232182986
Bolting				
288447	Set of 4 x M10 concrete dowels for end/corner post	0.8	400 x M10	3600232884477
288467	Set of 4 x M10 toggle bolts for end/corner post	2.8	460 x M10	3600232884675
288457	M12 concrete dowels for intermediate post	0.4	400 x M12	3600232884576
288477	M12 toggle bolt for intermediate post	0.7	460 x M12	3600232884774
Sealing rosette				
288527	EPDM sealing rosette for intermediate post	0.3	Ø510 x 4	3600232885276
288487	Bitumen sealing rosette for intermediate post	1.2	Ø510 x 4	3600232884873
288507	PVC sealing rosette for intermediate post	0.4	Ø510 x 4	3600232885078
288537	EPDM sealing rosette for end/corner post	0.5	Ø680 x 4	3600232885375
288497	Bitumen sealing rosette for end/corner post	1.9	Ø680 x 4	3600232884972
288517	PVC sealing rosette for end/corner post	0.6	Ø680 x 4	3600232885177
Tool				
288547	Toggle bolt tool	0.6	280 x 19 x 40	3600232885474
288557	M10 socket wrench extension	0.6	Ø25 x 500	3600232885771
288567	M12 socket wrench extension	0.6	Ø30 x 500	3600232885672
288577	Hole saw Ø30mm	0.2	Ø30 x 120	3600232885771
288587	Hole saw Ø44mm	0.2	Ø40 x 130	3600232885870
288597	Quick hitch arbor for hole saw Ø30 mm	0.3	300 x 20	3600232885979
288607	Quick hitch arbor for hole saw Ø44 mm	0.3	300 x 20	3600232886075