

TRI-ROOF

The flexible roof integration system

Compatibility and flexibility

TRI-ROOF offers unlimited freedom when choosing modules: The mounting system is suited for all framed module types of all module manufacturers in the TRITEC range. The simple insertion system was designed to be used independent of the module manufacturer. Thus, framed standard modules can be integrated into the roof. The mounting system is supplied as a complete set. This includes as standard also the edge connection plates, in addition to the profiles and insertion rails. The plates can be adjusted to the respective module size and thus offer the greatest flexibility possible.

Impermeability and resilience

The roof integration system TRI-ROOF replaces the existing roofing completely. The bulk of the rain water is discharged from the PV modules. The remaining water is collected and drained off in the specifically developed water-bearing carrier profiles, so that the impermeability of the roof is ensured. All TRI-ROOF components are optimally designed for wind and snow loads and are resistant to even extreme weather conditions.

Aesthetics and simplicity

The edge connection plates are made from aluminium and have an anthracite coating. Combined with black anodised insertion profiles and modules with black frames, every roof receives an aesthetically sophisticated PV system. The installation of the modules does not require screws: they are locked into the insertion profiles by gravity. In addition to giving a pleasing visual effect, this also enables the modules to be removed and inserted again during maintenance work.

Quality and safety

TRITEC guarantees the highest quality and greatest safety. All profiles and accessories manufactured under the original label TRI-ROOF carry a manufacturer's guarantee of 5 years from the date of delivery. This guarantee covers both sound condition and technical efficiency of the products. The system is planned and calculated with extraordinary efficiency using the TRI-DESIGN dimensioning software, thus ensuring optimal design and best safety.







Maximum stability of the mounting system



Simple insertion of the modules

MOUNTING SYSTEMS – COMPONENTS Roof-integrated System

Art. No.	1502513	1502518	1502523	1502528	1502534
					
Model	TRI-ROOF universal profile UP-I, 6.000 m	TRI-ROOF universal profile UP-I, 6.000 m, inside milling	TRI-ROOF universal profile UP-I, 6.000 m, outside milling	TRI-ROOF universal profile UP-I, 6.000 m, double milling	TRI-ROOF horizontal profile TR-H, 4.900 m
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	6000 mm / 170 mm / 41 mm	6000 mm / 170 mm / 41 mm	6000 mm / 170 mm / 41 mm	6000 mm / 170 mm / 41 mm	4900 mm / 139 mm / 22 mm
Weight *	3.800 kg	3.800 kg	3.800 kg	3.800 kg	1.130 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV
Art. No.	1502544	1502545	1502550	1502551	1502552
					
Model	TRI-ROOF fixing clip TR-C	TRI-ROOF universal profile retainer TR-U	TRI-ROOF ridge plate right FR	TRI-ROOF ridge plate centre FM	TRI-ROOF ridge plate left FL
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	105 mm / 18 mm / 14 mm	45 mm / 35 mm / 15 mm	1230 mm / 560 mm / 88 mm	2480 mm / 557 mm / 88 mm	1230 mm / 560 mm / 88 mm
Weight *	0.010 kg	0.028 kg	1.440 kg	3.000 kg	1.440 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV
Art. No.	1502554	1502555	1502556	1502557	1502558
					
Model	TRI-ROOF side plate top right SOR	TRI-ROOF side plate top left SOL	TRI-ROOF side plate right SR	TRI-ROOF side plate left SL	TRI-ROOF side plate bottom right SUR
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	2480 mm / 300 mm / 40 mm	2480 mm / 300 mm / 40 mm	2330 mm / 285 mm / 40 mm	2330 mm / 285 mm / 40 mm	2330 mm / 285 mm / 40 mm
Weight *	1.520 kg	1.520 kg	1.440 kg	1.440 kg	1.430 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV
Art. No.	1502559	1502560	1502561	1502562	1502622
					
Model	TRI-ROOF side plate bottom left SUL	TRI-ROOF end plate side AS	TRI-ROOF end plate bottom AU	TRI-ROOF plate retainer	TRI-STAND insertion profile TS-31, 6.000 m, blank aluminium
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	2330 mm / 285 mm / 40 mm	2480 mm / 285 mm / 45 mm	2480 mm / 285 mm / 45 mm	82 mm / 25 mm / 16 mm	6000 mm / 54 mm / 47 mm
Weight *	1.430 kg	0.500 kg	0.390 kg	0.004 kg	1.195 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV





Continued on next page

Roof-integrated System MOUNTING SYSTEMS – COMPONENTS

Art. No.	1502199	1502200	1502798	1502201	1502202
					
Model	TRI-STAND insertion profile TS-34, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-35, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-38, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-40, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-42, 6.000 m, blank aluminium
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	6000 mm / 54 mm / 50 mm	6000 mm / 54 mm / 51 mm	6000 mm / 54 mm / 54 mm	6000 mm / 54 mm / 56 mm	6000 mm / 54 mm / 58 mm
Weight *	1.107 kg	1.115 kg	1.139 kg	1.155 kg	1.172 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV
Art. No.	1502661	1502203	1502204	1502623	1502205
					
Model	TRI-STAND insertion profile TS-45, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-46, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-50, 6.000 m, blank aluminium	TRI-STAND insertion profile TS-31, 6.000 m, black	TRI-STAND insertion profile TS-34, 6.000 m, black
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	6000 mm / 54 mm / 61 mm	6000 mm / 54 mm / 62 mm	6000 mm / 54 mm / 66 mm	6000 mm / 54 mm / 47 mm	6000 mm / 54 mm / 50 mm
Weight *	1.196 kg	1.204 kg	1.236 kg	1.195 kg	1.107 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV
Art. No.	1502206	1502799	1502207	1502208	1502209
					
Model	TRI-STAND insertion profile TS-35, 6.000 m, black	TRI-STAND insertion profile TS-38, 6.000 m, black	TRI-STAND insertion profile TS-40, 6.000 m, black	TRI-STAND insertion profile TS-42, 6.000 m, black	TRI-STAND insertion profile TS-46, 6.000 m, black
Application	In-roof	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	6000 mm / 54 mm / 50 mm	6000 mm / 54 mm / 54 mm	6000 mm / 54 mm / 56 mm	6000 mm / 54 mm / 58 mm	6000 mm / 54 mm / 62 mm
Weight *	1.115 kg	1.139 kg	1.155 kg	1.172 kg	1.204 kg
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV
Art. No.	1502210	1502211	1502214	1502307	
					
Model	TRI-STAND insertion profile TS-50, 6.000 m, black	TRI-STAND middle rail TS-M, 6.000 m, blank aluminium	TRI-STAND end bracket TS-E, blank aluminium	TRI-STAND end bracket TS-E, black	
Application	In-roof	In-roof	In-roof	In-roof	
Dimensions (L / W / H)	6000 mm / 54 mm / 66 mm	6000 mm / 85 mm / 17 mm	32 mm / 29 mm / 33 mm	32 mm / 29 mm / 33 mm	
Weight *	1.236 kg	0.775 kg	0.010 kg	0.010 kg	
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	
Art. No.	1502215	1502216	1502217	1502777	
					
Model	TRI-STAND SafeClick SC	TRI-STAND insertion profile connector TS-C	TRI-STAND universal profile connector UP-C	TRI-STAND bending tool	
Application	In-roof	In-roof	In-roof	In-roof	
Dimensions (L / W / H)	13 mm / 45 mm / 70 mm	95 mm / 64 mm / 17 mm	120 mm / 51 mm / 41 mm	292 mm / 18 mm / 6 mm	
Weight *	0.050 kg	0.080 kg	0.130 kg	0.231 kg	
Norms	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV	

Continued on next page

MOUNTING SYSTEMS – COMPONENTS Roof-integrated System

Art. No.	1302257	1302258	1502245	1502246
				
Model	TRI-STAND grounding clamp for insertion profile TS	TRI-STAND grounding clamp for connector TS-C	TRI-STAND cross cable clip block UP-K	TRI-STAND edge clip TS-EC
Application	In-roof	In-roof	In-roof	In-roof
Dimensions (L / W / H)	16 mm / 10 mm / 13 mm	21 mm / 10 mm / 13 mm	22 mm / 22 mm / 16 mm	18 mm / 15 mm / 11 mm
Weight *	0.002 kg	0.002 kg	0.002 kg	0.001 kg
Norms	IEC 60439-1 (2004), NF EN 60068-2-11 (1999)	IEC 60439-1 (2004), NF EN 60068-2-11 (1999)	IEC 61215 ed. 2 (10.16), TÜV	IEC 61215 ed. 2 (10.16), TÜV

* - Per meter

Accessories

Art. No.	Model	Description
1502563	TRI-ROOF gland 4.5 x 35 A2, drill bit	For TRI-ROOF Mounting System edge cover
1502564	TRI-ROOF roof connecting tape Perform, 4 m x 45 cm	For TRI-ROOF Mounting System edge cover
1502565	TRI-ROOF special adhesive for ridge plates	For TRI-ROOF Mounting System edge cover
1502566	TRI-ROOF adhesive for roof connecting tape Perform	For TRI-ROOF Mounting System edge cover
1502567	TRI-ROOF adhesive tape FLEX-DICHT 3D	For TRI-ROOF Mounting System edge cover
1502546	TRI-ROOF Z adapter TR-Z	For TRI-ROOF Mounting System edge cover
1502547	TRI-ROOF round head screw 5.0 x 30 A2, for TR-U	For TRI-ROOF Mounting System edge cover
1502548	TRI-ROOF round head screw 3.0 x 30 A2, for retainer	For TRI-ROOF Mounting System edge cover
1502549	TRI-ROOF hammer-head screw M10 x 20 A2	For TRI-ROOF Mounting System edge cover
1502553	TRI-ROOF ridge plate joint cover FS	For TRI-ROOF Mounting System edge cover
1502640	TRI-ROOF hexagon set screw M10 x 25 A2	For TRI-ROOF Mounting System edge cover
1502646	TRI-ROOF stainless steel rivet 3.2 x 6, for sheets	For TRI-ROOF Mounting System edge cover
1502647	TRI-ROOF drill 3.3 mm for stainless steel rivet	For TRI-ROOF Mounting System edge cover
1502648	TRI-ROOF collar sealing strip	For TRI-ROOF Mounting System edge cover



Clean edge finish of the system



Optimal and aesthetically pleasing integration of the system into the roof

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