

isofast®	Product code	Page
Peel Rivet	TPR-L	► 7.3
Drill bits	HSS	► 7.5

isoweld™	Product code	Page
Peel Rivet	TPR-L	► 7.6
Drill bits	HSS	► 7.9

Peel Rivet fastening system: Safe fixing whatever the sub-frame

Safe fixing to aluminium sheet, thin concrete, timber and cement boards is challenging when installing flat roof insulation. Conventional screws do not offer adequate performance or require to be reinforced with additional

security features. The TPR-L riveting system will remove the additional time and cost otherwise involved. The Peel Rivet is part of the *isofast*® and *isoweld*™ system.

The convincing advantages of the Peel Rivet fastening systems



- High corrosion resistance (rivet sleeve manufactured from aluminium / magnesium alloy, centre pin from zinc coated carbon steel)
- Consistently high pullout values due to dedicated system design
- Center pin remains in the rivet sleeve
- Ergonomic installation using the TPR55 or the AccuBird® Peel Rivet setting tool
- Dynamic wind loads present no problem
- Can be combined with standard stress plates
- Also suitable for thin steel decks



Critical substrates: The Peel Rivet fastening system is the ideal solution

After pre-drilling the substrate, the peel rivets can be rapidly fitted using the TPR55 or the AccuBird® Peel Rivet setting tool. As the centre pin is withdrawn, the rivet is deformed, creating four arms which produce a contact surface equivalent to five times the shaft diameter. In combination with recommended stress plates the rivets provide for a consistently high pullout requirement.



isofast® TPR-L**Technical information****Application**

For the fastening of waterproof membrane and insulation to aluminium, thin concrete, wood-wool and problem decks, where conventional threaded fasteners may not achieve sufficient performance.

	TPR-L
Minimum thickness for steel:	$t \geq 0,50 \text{ mm}$
Minimum thickness for aluminium:	$t \geq 0,60 \text{ mm}$
Minimum clamping length:	$KL \geq 10,0 \text{ mm}$

Generally

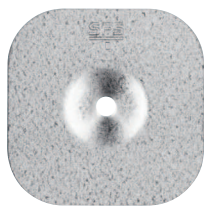
To be installed via a pilot hole. Application tests are required on all projects to determine the suitability and performance. EPS insulation has to be ≥ 20 . Compressive strength of the mineral wool at 10% compression has to be $\geq 0.17 \text{ N/mm}^2$.

Material**Fastener**

- TPR-L
- Body: Aluminium/magnesium alloy
- Mandrel: Zinc plated steel

Stress plates

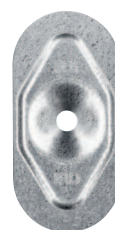
- ID-70x70 / IF/IG-C-82x40 / IRD-82x40
- Steel 1,0 mm, zinc plated
- Resistance at 15 cycles Kesternich test according to ETAG 006 - D.3.1. and FM Approval Standard 4470 requirements

Stress plates**ID-70x70**

- Stress plate for insulation, hole diameter 7,5 mm

IF/IG-C-82x40

- Stress plate for membrane and insulation on hard substrates, hole diameter 7,5 mm

IRD-82x40

- Stress plate for membrane and insulation, hole diameter 7,5 mm

Tools and accessories**TPR55**

- Electric setting tool for the installation of TPR-L Peel Rivets

HN-2-BT

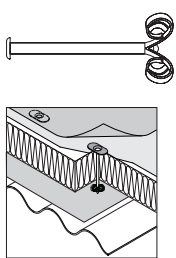

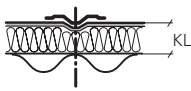
- Hand setting tool for the installation of TPR-L Peel Rivets

TAURUS 2 Peel Rivet

- Pneumatic-hydraulic setting tool for the installation of TPR-L Peel Rivets

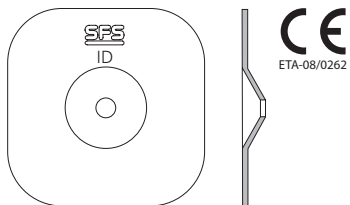
Order information

	Head Ø 12,5 mm 	
KL clamping length M magazine loaded d thread diameter L length TL thread length t thickness of structure All measures in mm		

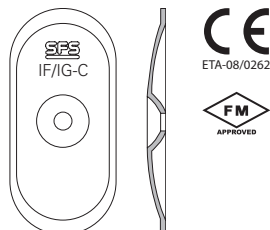
Product / Application	Approval	Order code			KL		Application information
		TPR-L-	6,3x	38		IRD-82x40	
▲ Aluminium 		TPR-L-	6,3x	38	10* - 15	15* - 20	 t min. steel: _____ 0,5 mm t min. alu: _____ 0,6 mm *Minimum KL due to the mandrel which stays inside the body of the Peel Rivet. Smaller KL than minimum KL are not allowed. Pull-out tests are recommended.
		TPR-L-	6,3x	51	10* - 26	15* - 26	
		TPR-L-	6,3x	64	20* - 39	25* - 39	
		TPR-L-	6,3x	76	20* - 51	25* - 51	
		TPR-L-	6,3x	88	28 - 63		
		TPR-L-	6,3x	102	42 - 77		
		TPR-L-	6,3x	127	67 - 102		
		TPR-L-	6,3x	152	92 - 127		
		TPR-L-	6,3x	178	118 - 153		
		TPR-L-	6,3x	203	143 - 178		
		TPR-L-	6,3x	229	169 - 204		
		TPR-L-	6,3x	254	194 - 229		

Stress plates

ID-70X70



IF/IG-C-82X40



IRD-82X40

