

Product Data Sheet:

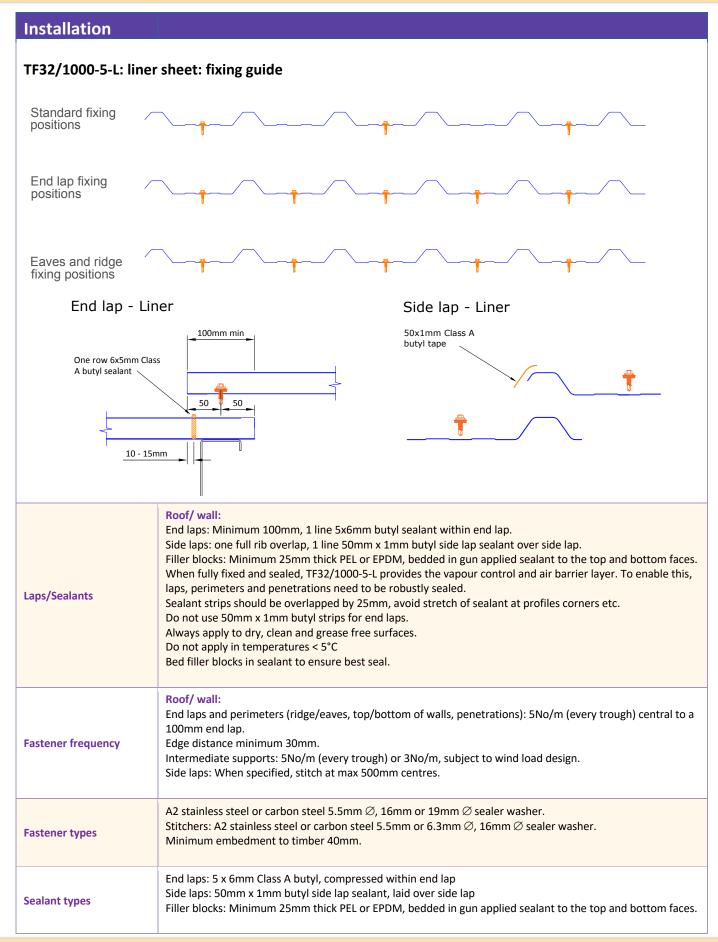
TF32/1000-5-L

Description						
Application	A walkable liner profile for use within twin skin metal roofing and walling. When fully fixed and sealed, TF32/1000-5-L provides the vapour control and air barrier layer. TF32/1000-5-L is non-fragile and walkable, acting as a working platform. For under purlin liner applications refer to Trimform Products.					
Profile depth	32mm					
Profile cover width	1000mm					
Profile pitch	200mm					
Nominal profile weight	0.7mm = 6.7kg/m ²					
Pack weight	Max 2.0t					
Lengths	Minimum length 1.00m Maximum length 10.00m					
Curve options	N/A					
UKCA reference	TF32/1000-5-L (Roof profile - Trapezoidal): BS EN 14782:2006					
	Direction of la	у				
	100	00				
Side lap						
Colour Face 70 130						
Substrate: 0.7mm steel, Class1, S220GD+AZ100 Paint finish options: Polyester SP, 20μm, bright white (notionally RAL9010, for internal use only). For other materials such as 0.5mm steel, aluminium, 200μm PVC or double sided PVC, enquire with Trimform Products.						



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Delivery	Load direct to roof or store at ground level in a protected area, on bearers (placed above each other), at a slope to drain, under tarpaulin if to be stored for longer than a week. Lift with care (do not drag sheets): <6m- by site telehandler or forklift with tines set apart, 1 pack at a time, >6m by crane using slings (not chains). Load to rafter backs. Inspect packs and record any damage/shortages on delivery paperwork, backed by photos to be sent to Trimform with a report within 48 hours.					
Site work	www.mcrma.co.u Side laps should f Before installation tolerance to receive Fully fix as work p Do not over drive Where profiles have Use a powered Support the province Protect the pre- Clean any swarf Minor scuffing of Deeper scratches The touch-up paint	k, CDM2015 tab and ace away from the properties of the roof and wall of the roceeds, TF32/1000-fasteners causing wave to be cut on site: nibbler, reciprocating file along the line of the coated finishes of the or debris from the properties of the colour coating should only be apport	evailing wind orting structure is in a fit condition and construction. 5-L is walkable and non-fragile when sher dishing. saw or circular saw. Do not use an a che cut. profile. re-coated finish of the profile immedi	nd to an acceptable installation fixed. brasive wheel. iately. up paint. e paint brush.		
Performance						
Structural	tables, compare v The di Minim "Singl Avoid In ger than 1.8 Consi For sp BS 5427:16: Apper load/span tables: Variat Permation Accidet Service Table 10: Deflecti Roofs	with unfactored loads esigner must separate num bearing width 40 e" = spanning over 2 single spans whereveneral, for foot traffic, 8 m. der crawl boards or a ans exceeding 1.8 m ridix C.5.6.4: Partial separate load factor 1.5 enent load factor 1.0 eability load factor 1.0	ely check fastener capacity under negomm. purlins, "double" = 3 purlins, "multi" er possible. use crawl boards or additional protection in all cases when defer to Trimform. afety factors for limit state design. Lo	gative loads (wind uplift/suction). = 4 or more purlins. ction on support centres greater re the sheets are single spanning.		
	f _u = 220N/mm ²	E = 210kN/mm ²	Broad flange in compression	Narrow flange in compression		

	f _u = 220N/mm ²		E = 210kN/mm ² Broad flange in co		e in compress	ion Narrow flange in compression		compression			
Section Properties	t _N mm	Weig			crushing d kN/m	M _{n,Rd} kNm/m	I _{n,Rd} cm ⁴ /n	n		M _{b,Rd}	I _{b,Rd} cm ⁴ /m
	0.7	6.7	0	1	0.95	0.974	9.75		C).994	10.48
TF32/1000-5-L: Roof liner	Sp	an		1.20	1.30	1.40	1.50	1.6	0	1.70	1.80
0.7mm steel	Sin	gle		3.68	3.14	2.70	2.36	2.0	6	1.72	n/a
Positive/imposed downward kN/m ²	Dou	ıble		2.59	2.28	2.03	1.81	1.6	3	1.48	1.34
	Mι	ulti		3.10	2.74	2.44	2.18	1.9	7	1.78	1.62

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Non Fragility	ACR[M]001:2015 - Test For Non-Fragility of Large Element Roofing Assemblies [fifth edition] 0.7mm: Class B when screw fixed as described in the Installation section
Durability	Liner grade polyester painted steel will last the lifetime of the building, excluding aggressive or high humidity internal environments. TF32/1000-5-L liner is not suitable for external exposure.
Fire properties	Polyester coated (PE) steel: A1 (CWFT Commission Decision 2010/737/EU table 1) National: notional designation of AA and has a Class 0 or 'low risk' surface as defined in the various national Building Regulations.



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COMPOSITION/INFORMATION ON INGREDIENTS

Safety data

Single skin coated steel profiled sheets products used for roof and wall cladding industrial and commercial buildings. Refer to Trimform and industry standard installation guidance for use. To be used in accordance with industry standard practices, Building Regulations and site RAMS. If any other use is to be considered, please contact Trimform.

HAZARDS

- 1. Under normal conditions of storage and when fixed, the products do not constitute a hazard.
- 2. During the fixing operation or whilst handling, laceration of the skin is possible on the edges of the sections, and if oil is present on the material skin contamination may occur.
- 3. When breaking open strapping which is used to secure bundles of sections, there is a risk of skin or eye injury.
- 4. Some components are heavy and injury may result from incorrect lifting or handling.
- 5. Cutting the product may cause flying swarf, which could injure skin, particularly eyes.
- 6. When subjected to elevated temperatures, e.g. during welding or flame cutting, fumes containing oxides of iron and zinc may be produced, which can cause metal fume fever if inhaled. This is a short lasting condition with symptoms similar to influenza.
- If involved in a fire, any plastic components could degrade and generate smoke and fumes, which could be toxic if inhaled.

FIRST AID MEASURES

- Inhalation: N/A
- Skin: Wash with soap and water
- Eyes: If dust makes contact with eyes, rinse with clean water
- Ingestion: N/A
- Other: Seek medical attention if any symptoms persist

FIRE-FIGHTING MEASURES

These products do not pose a fire hazard. However, packaging, rubber elements and protective coatings may be combustible and emit hazardous fumes. No special fire fighting procedures or extinguishing media's are required to deal with burning products.

ACCIDENTAL RELEASE MEASURES

Product discarded in an unaltered form is classified as a non-hazardous waste.

HANDLING/STORAGE

- 1. Store in a location free from ignition hazard, such as open flames, cutting and welding torches, high surface temperatures, electric heaters and other forms of direct radiant heat.
- 2. Ensure stability of stack and provide adequate aisle space for access between stacks.
- 3. Store packs off the ground and on a slope so that should rain water penetrate the wrapping, water will drain away.
- Support the packs evenly with bearers spaced at 2m. Bearers should always be placed one directly above another.
- 5. During the fixing operation or whilst handling, laceration of the skin is possible on the edge of the sheet.
- 6. Product is supplied in heavy bundles and injury may result from incorrect lifting or handling.

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Cutting the product may cause flying swarf, which could injure skin, particularly eyes. Cutting can also produce dust, which can cause irritation if inhaled.

EXPOSURE CONTROL/PERSONAL PROTECTION

- Protective clothing, particularly gloves, should be worn to avoid skin laceration.
- 2. Eye and ear protection should be used when cutting.
- 3. Handling sheets and bundles should be in accordance with HSE recommendations.
- Do not use flame cutting equipment, blow lamps, or any high temperature equipment or process near the panels.
- If subject to abnormally high temperatures ensure adequate ventilation.
- In a fire, breathing apparatus should be worn.

PHYSICAL AND CHEMICAL PROPERTIES

Coated steel sheets rolled to various profiles. Steel is hot-dip galvanised or Aluzinc coated.

STABILITY AND REACTIVITY

Stable and un-reactive under normal conditions.

TOXICOLOGICAL INFORMATION

N/A

ECOLOGICAL INFORMATION

Non-hazardous product with no known adverse environmental effects.

DISPOSAL INFORMATION

Dispose at an authorised metal recycling facility in accordance with the Waste Management Licensing

Observe usual safety precautions with polythene bags, wrapping and packaging. Waste product should be disposed of in accordance with local laws and regulations. Clean, undamaged product may be re-used.

TRANSPORT INFORMATION

Not classed as hazardous for transportation.

Ensure security of load securing straps with edge protectors should be used. It is recommended that mechanical lifting equipment is used when moving bulk quantities

REGULATORY INFORMATION

N/A

References		
Reference Standards	BS EN 508-1:2014 BS EN 14782:2006 BS EN 10346: 2015 BS 5427:2016 MCRMA GD 20 Guidance document on serviceability states and deflection criteria	BS EN 1991-1-3:2003+A1:2015 BSEN13501-1:2016 BSEN13501-5:2016 ACR[M]001:2014:5 th Edition. MCRMA Guidance Documents and Design Guides (www.mcrma.co.uk)



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Trimform Products, Harding Way, Somersham Road, St. Ives, Huntingdon, Cambridgeshire, PE27 3WR T 01480 461103, F 01480 461102, E info@trimformfabs.co.uk

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