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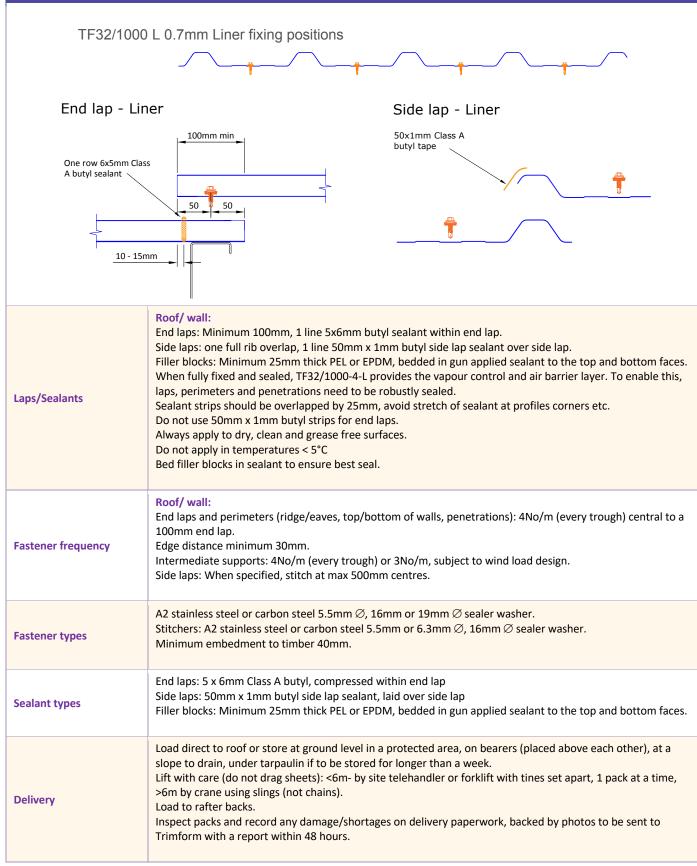
Description		
Application	When fully fixed and sealed, TF	within twin skin metal roofing and walling. 32/1000-4-L provides the vapour control and air barrier layer. d walkable, acting as a working platform. ns refer to Trimform Products.
Profile depth	32mm	
Profile cover width	1000mm	
Profile pitch	250mm	
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	TF32/1000-4-L (Roof profile - Trapezoidal): BS EN 14782:2006	
	Direction of lay	
33		34 Side lap 168 Colour Face
Materials		5220GD+AZ100 right white (notionally RAL9010, for internal use only). Ich as 0.5mm steel, aluminium, 200μm PVC or double sided PVC, enquire with



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Installation



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Site work	The installer must comply with current safety and CDM regulations. Guidance is available at www.mcrma.co.uk, CDM2015 tab and Roof Safety tab. Side laps should face away from the prevailing wind Before installation check that the supporting structure is in a fit condition and to an acceptable installation tolerance to receive the roof and wall construction. Fully fix as work proceeds, TF32/1000-4-L is walkable and non-fragile when fixed. Do not over drive fasteners causing washer dishing. Where profiles have to be cut on site: • Use a powered nibbler, reciprocating saw or circular saw. Do not use an abrasive wheel. • Support the profile along the line of the cut. • Protect the pre-coated finishes of the profile. • Clean any swarf or debris from the pre-coated finish of the profile immediately. Minor scuffing of the colour coating should not be treated. Deeper scratches which reach the substrate should be repaired with touch-up paint. The touch-up paint should only be applied to the original scratch using a fine paint brush. As touch-up paint will dry to a slightly different colour than the original coating the area which is touched up should be kept as small as possible.								
Performance									
Structural	BS 54. load/s	s, compa • Th • M • "S • Av • In thar • Co • Fo 27:16: A span tab • Va • Se 10: Defl • Rc • Rc	re with unfa e designer r inimum bea ingle" = span oid single sp general, for 1.8 m. onsider craw r spans exce ppendix C.5 les: rriable loads rriable loads rmanent loa cidental loa rviceability l ection:	actored loads must separate ring width 40 nning over 2 bans wherever r foot traffic, vI boards or a ceding 1.8m r .6.4: Partial s factor 1.5 ad factor 1.35 d factor 1.0 load factor 1. ed loads- L/2 /90). ely check fastene mm. purlins, "double' er possible. use crawl board dditional protec refer to Trimforn afety factors for	er capacity und " = 3 purlins, " s or additional tion in all case n.	der neg multi" = I protec es where	(ie load factors ar ative loads (wind = 4 or more purlin tion on support c e the sheets are s ad factors include	uplift/suction). s. entres greater ingle spanning.
	f _u = 2	f _u = 220N/mm ² E = 21		.0kN/mm²		Broad flange in compression		Narrow flange in compression	
Section Properties	t _N mm	Weigh kg/m		crushing _{Rd} kN/m	M _{n,Rd} kNm/m	I _{n,Rd} cm ⁴ /n	n	M _{b,Rd} kNm/m	I _{b,Rd} cm⁴/m
	0.7	6.70		9.63	1.03	10.40		0.98	10.96
	Span		1.20	1.30	1.40	1.50	1.60	1.70	1.80
TF32/1000-4-L	Single		3.64	3.11	2.68	2.33	2.05	1.82	1.62
Roof: 0.7mm steel Negative/wind uplift	Doubl	e	3.81	3.25	2.80	2.44	2.15	1.90	1.70
trogation wind upint	Multi		4.55	4.06	3.50	3.05	2.68	2.38	2.12
TF32/1000-4-L	Span		1.20	1.30	1.40	1.50	1.60	1.70	1.80
Roof: 0.7mm steel	Single		3.64	3.11	2.68	2.33	2.05	1.80	n/a
Positive/imposed	Doubl	e	2.52	2.23	1.99	1.78	1.61	1.46	1.33
downward	Multi		3.01	2.67	2.38	2.14	1.93	1.76	1.60

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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. TF32/1000-4-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.				
	7. 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.				
	4. 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
1. 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.
4. Do not use flame cutting equipment, blow lamps, or any high temperature equipment or process near the panels.
5. If subject to abnormally high temperatures ensure adequate ventilation.
6. 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 Regulations.
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

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