



SPECIFICATION SHEET

JANUARY 1ST 2024

PRODUCT REFERENCE

32/1000 Forward Box Profile 0.5mm Polyester Metal Sheet

32/1000 Reverse Box Profile 0.5mm Polyester Metal Sheet



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GENERAL DATA

PRODUCT CODE

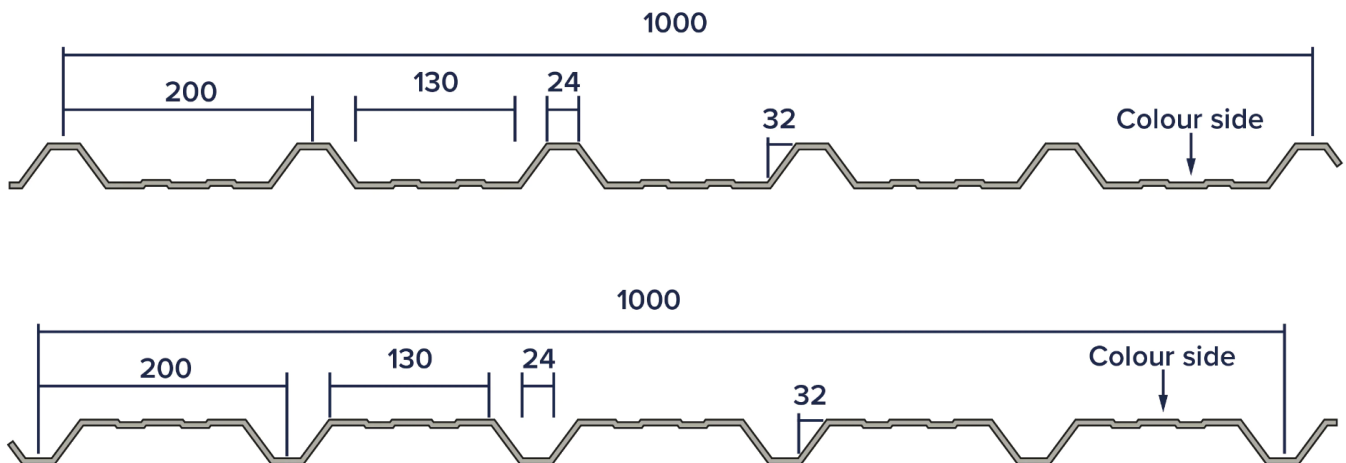
- **Roof Sheet:** 32/1000 Forward Box Profile 0.5mm Polyester Metal Sheet, 32/1000 Reverse Box Profile 0.5mm Polyester Metal Sheet
- **Code:** METPOLSSK005*

DETAILS OF CLASSIFIED PRODUCT

Nature and end use application

The product **32/1000 FORWARD BOX PROFILE 0.5MM POLYESTER METAL SHEET** and **32/1000 REVERSE BOX PROFILE 0.5MM POLYESTER METAL SHEET** is defined as single skin steel profiled sheet for use as cladding in roofs or walls of buildings in accordance with EN 14782:2006. Its classification is valid for the following end use application(s):

- Roof
- Walls



TECHNICAL DATA	VALUE
Cover width	1000mm
Corrugation pitch	200mm
Thickness	0.5mm
Depth of profile	32mm
Side lap	1 rib
Minimum end lap	200mm
Minimum roof pitch	4 Dg
Approx weight when installed	4.57 Kg/m ²

SHEET DETAILS

ELEMENT	MATERIAL	REFERENCE STANDARD
Steel	S220GD + Z225 or AZ150	EN 14782
Top side	Polyester 25µm	EN 508-1
Under side	Polyester 7 µm	EN 508-1

SPAN AND LOADING TABLES

WIND SUCTION (KN/M2)	DEFLECTION LIMIT L/90							
SPAN	1.20	1.30	1.40	1.50	1.60	1.70	1.80	
Single	2.38	2.03	1.75	1.52	1.34	1.19	1.06	
Double	1.42	1.26	1.13	1.01	0.92	0.83	0.76	
Multi	1.69	1.50	1.35	1.21	1.10	1.00	0.92	

IMPOSED LOAD (KN/M2)	DEFLECTION LIMIT L/200							
SPAN	1.20	1.30	1.40	1.50	1.60	1.70	1.80	
Single	2.32	1.98	1.71	1.49	1.31	1.13	0.95	
Double	1.44	1.28	1.14	1.03	0.93	0.85	0.77	
Multi	1.71	1.52	1.36	1.23	1.11	1.01	0.93	

DRIFTING SNOW LOAD (KN/M2)								
SPAN	1.20	1.30	1.40	1.50	1.60	1.70	1.80	
Single	3.48	2.97	2.56	2.23	1.96	1.19	1.55	
Double	2.16	1.92	1.71	1.54	1.40	0.83	1.16	
Multi	2.57	2.28	2.05	1.84	1.67	1.52	1.39	

POSITIVE LOAD (KN/M2)								
SPAN	1.20	1.30	1.40	1.50	1.60	1.70	1.80	
Single	2.38	2.03	1.75	1.52	1.34	1.19	1.06	
Double	1.42	1.26	1.13	1.01	0.92	0.83	0.76	
Multi	1.69	1.50	1.35	1.21	1.10	1.00	0.92	

NEGATIVE LOAD (KN/M2)								
SPAN	1.20	1.30	1.40	1.50	1.60	1.70	1.80	
Single	2.32	1.98	1.71	1.49	1.31	1.13	0.95	
Double	1.44	1.28	1.14	1.03	0.93	0.85	0.77	
Multi	1.71	1.52	1.36	1.23	1.11	1.01	0.93	

CHARACTERISTICS TABLE

ELEMENT	VALUE
Mechanical resistance	1.2N at 2.4m span
Water permeability	No Performance Declared
Dimensional change	No Performance Declared
Release of regulated substances	No Performance Declared
External fire performances	Classified Without Further Testing
Reaction to fire	Class A1
Durability	No Performance Declared

CLASSIFICATION AND DIRECT FIELD OF APPLICATION

REFERENCE AND DIRECT FIELD OF APPLICATION

- This classification has been carried out in accordance with clause 8.2 of EN 13501-1:2009

CLASSIFICATION

- The Briarwood Insulated Panels with the 30mm and 80mm insulation core thickness in relation to its **fire reaction behaviour is classified as A1.**

REFERENCE STANDARDS

FIRE CLASSIFICATIONS

- **BS EN 13501-1:** Fire classification of construction products and building elements

TOLERANCES AND CALCULATIONS

- **BS EN 14782:2006:** Self-supporting metal sheet for roofing, external cladding and internal lining – Product specification and requirements
- **BS EN 508-1:** Roofing and cladding products from metal sheet - Specification for self-supporting products of steel, aluminium or stainless steel sheet