



SPECIFICATION SHEET

April 25th 2024

PRODUCT REFERENCE

Big 6 Heatguard 50 Polycarbonate Roof Sheet



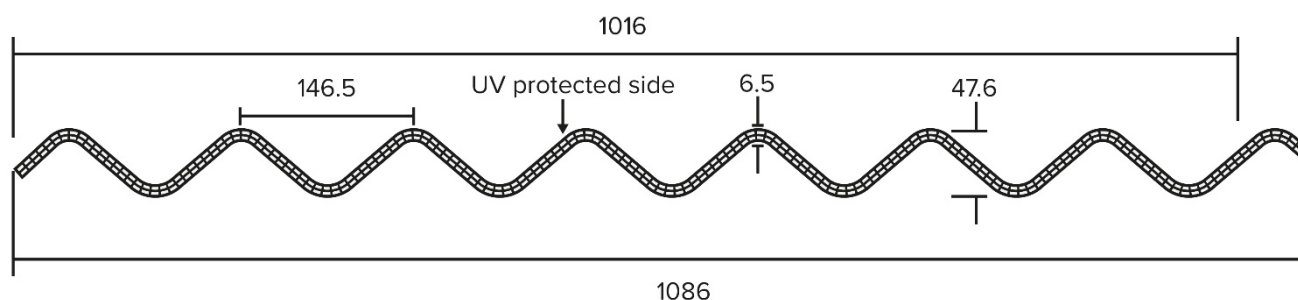
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GENERAL DATA

PRODUCT CODE

- **Roof Panel:** Big 6 Heatguard 50 Polycarbonate Roof Sheet
- **Code:** PCHGE6601525CL, PCHGE6601675CL, PCHGE6602440CL, PCHGE6602740CL, PCHGE6602900CL, PCHGE6603050CL

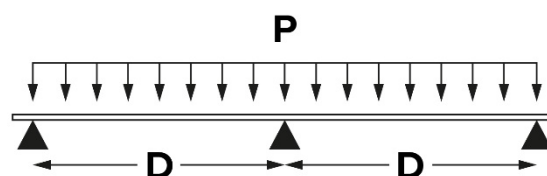
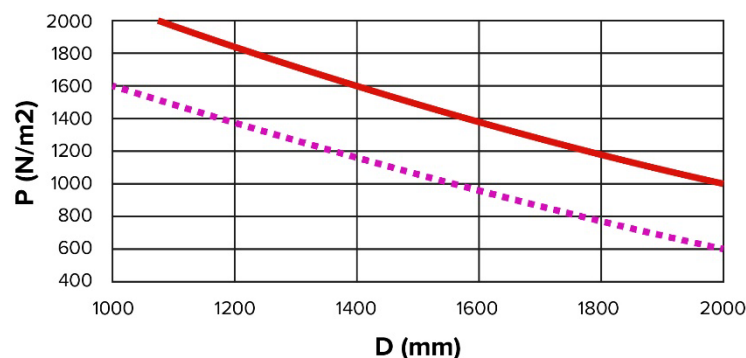


TECHNICAL DATA	VALUE
Overall width	1086mm±10-5
Cover width	1016mm
Corrugation pitch	146.5mm±2
Depth of profile	47.6mm±3
Thickness	6.5mm±5
Side lap	1 Corrugation
Minimum end lap	150mm
Minimum roof pitch	5 Dg
Approx weight when installed	2.0 Kg/m ²

CHARACTERISTICS

ELEMENT	VALUE
Light transmission (Clear)	72%±5
Light transmission (Opal)	50%±5
Light transmission (Athermic Grey)	32%±5
Solar factor G	40% Athermic Grey
Thermobending	3500mm
Estimated thermal transmittance	3.4 W/m ² K
UV Protection	On external side
Service temperature	from -40°C to +120°C
Thermal expansion	65 x 10 ⁻⁶ K ⁻¹ (=0.065mm/m°C)
Minimum recommended mono pitch slope	≥4° (7%)
Minimum recommended duo pitch slope	≥6° (10%)
Fire classification	B-s1,d0
Soft body impact tests	Passed 1200J
Warranty	15-years

LOADING TABLES



On the table on the left, the **Red Line** signifies single skylight application. The **Pink Line** signifies multiple application.

On the table on the right, the **P** signifies uniform distributed load, whilst **D** represents the distance between the purlin supports.

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 Big 6 Heatguard 50 Polycarbonate Roof Sheet in relation to its **fire reaction behaviour is classified as B**.
- The additional classification in relation to **smoke production is s1**.
- The additional classification in relation to flaming droplets/particles is **d0**.

The format of the reaction to fire classification for construction products except flooring is:

FIRE BEHAVIOUR		SMOKE PRODUCTION			FLAMING DROPLETS		
B	-	s	1	-	d	0	

REFERENCE STANDARDS

FIRE CLASSIFICATIONS

- **BS EN 13501-1:** Fire classification of construction products and building elements
- **EN ISO 11925-2:** Reaction to fire tests for building products
- **BS EN 13823:** Reaction to fire tests for building products excluding floorings exposed to the thermal attack by a single burning item