

# RW310

## TREMOTHERM PIR (TAPERED BOARD)

### KEY BENEFITS SUMMARY

- Excellent thermal performance
- High compressive strength
- Easy installation
- Laid to falls insulation that eliminates the need for a costly structural deck fall
- Can be custom designed to any project
- Lightweight
- Can be fully adhered or mechanically fixed
- Ideal for new build and refurbishment projects

### PRODUCT INFORMATION

#### Description

RW310 is a tapered and high performance polyisocyanurate thermal insulation board with a mineral coated glass facing.

#### Usage / Purpose

RW310 is designed for use as a tapered roof thermal insulation board specified in conjunction with Tremco liquid applied or reinforced bitumen membrane roofing systems.

#### Packaging

Length (mm): 1200

Width (mm): 1200

Thickness (mm): Individually designed to meet scheme requirements

Tremco can provide bespoke solutions with a range of thicknesses to meet scheme requirements, enabling faster installation and reducing site generated waste.

#### Availability

Direct from Tremco CPG UK Limited (see bottom of leaflet for address and telephone details).

#### Application

Please refer to the relevant Tremco specification proposal for application details in accordance with Tremco roofing systems.

**Metal Deck:** RW310 should be laid out in a break bond pattern. The long edges of the boards should be laid at perpendicular to the corrugations and all board joints must be fully supported by the deck.

**All Substrates:** RW310 should be laid out in a break bonded pattern, fully supported and board joints closely butted.

RW310 is generally adhered using TremStik polyurethane adhesive. Alternatively the RW310 board can be mechanically fixed (refer to Tremco specification proposal).

#### Please Note

A U-Value calculation and condensation risk analysis should be carried out for all projects.

When work is interrupted or at the end of each day, a night joint must be made to prevent water ingress (refer to relevant Tremco specification proposal). RW300 boards should be waterproofed as soon as possible.

#### Falls

In accordance with BS 6229: 2018 'Flat roofs with continuously supported flexible waterproof coverings – Code of practice', the minimum finished fall is recommended to be 1:80 across the entire roof area. All flat roof surfaces (including gutter soles) should be designed with a fall of 1:40 to ensure finished drainage falls of 1:80 are achieved.

#### Health & Safety Precautions

Safety data sheet must be read and understood before use.

#### Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

### TECHNICAL DATA

PROPERTY	RESULT
Composition	Polyisocyanurate with mineral coated glass facing
Density (core)	32kg/m <sup>3</sup>
Compressive strength	>150kPa @ 10% compression
Thermal conductivity	0.024 - 0.027 W/mK
	0.27 W/m2K - 80mm
	0.25 W/m2K - 90mm
Typical U-Values (Over Timber Deck)	0.22 W/m2K - 100mm
	0.19 W/m2K - 120mm
	0.16 W/m2K - 60+80mm (140mm)
	Note: Tapered schemes are subject to design.
Coverage	1.44m <sup>2</sup>
Storage	Store in dry shaded conditions and low humidity. Do not store in direct sunlight
Shelf Life	Unlimited when stored as recommended in original unopened packaging