

RW350

TREMTHERM MINERAL WOOL (FLAT BOARD)

KEY BENEFITS SUMMARY

- Non-combustible
- Excellent acoustic reduction, absorption, and impact performance (rain noise)
- Can be fully adhered or mechanically fixed
- Ideal for new build and refurbishment projects
- Recyclable

PRODUCT INFORMATION

Description

RW350 is a non-combustible stone wool insulation board with a mineral coated white fleece face.

Usage / Purpose

RW350 is designed for use as a flat roof thermal insulation board specified in conjunction with Tremco liquid applied and reinforced bitumen membrane roofing systems where a non-combustible insulation board is required. RW350 is also an ideal insulation for acoustic attenuation in flat roof assemblies.

Packaging

Length (mm): 1200

Width (mm): 1000mm

Thickness (mm): 60, 85, 105, 115, 150, 185

Underlay & un-faced board - 150mm only

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

For dual layer build-ups, the 150mm un-faced underlay is applied first. The mineral coated white fleece faced board is then applied with the fleece facing upwards.

Metal Deck: RW350 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: RW350 should be laid out in a break bonded pattern, fully supported and board joints closely butted.

RW350 is generally adhered using TremStik polyurethane adhesive. Alternatively the RW300 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.

Should any boards become wet, they should be allowed to dry out naturally prior to applying the specified roofing system.

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	Stone wool faced with a mineral coated white fleece
Density (core)	160kg/m ³
Reaction to fire (BS EN 13501-1)	A2-s1,d0
Thermal conductivity	0.039 W/mK
Compressive strength	70kPa @ 10% Compression
	0.25 W/m2K - 150mm
	0.22 W/m2K - 170mm
	0.20 W/m2K - 185mm
Typical U-Values	0.18 W/m2K - 210mm (150*+60mm)
	0.16 W/m2K - 235mm (150*+85mm)
	0.15 W/m2K - 255mm (150*+105mm)
	*un-faced underlay board
Water vapour resistance	5.9 MNs/gm
Coverage	1.08m ²
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