

RL PIR BOARD

FOR ULTRATHERM ROOFING SYSTEMS

DESCRIPTION

RL PIR Board is a Polyisocyanurate (PIR) rigid foam panel faced on both sides with a multi-layered aluminium complex. Alternatively RL PIR Board can be supplied with a coated glass facer (CGF) for direct bonded membrane applications.

RL PIR Board provides excellent thermal and fire performance and has exceptional compressive strength for a rigid thermoset insulation board.



RL PIR Board with Aluminium Facer.

APPLICATION

Rigid insulation layer providing high thermal performance in all RoofLogic UltraTherm Xtreme and UltraTherm MSR roofing systems



RL PIR Board VV with Coated Glass Facer for membrane applications.

BENEFITS

- Light weight panels with excellent rigidity and dimensional stability
- Excellent fire performance. RL PIR board satisfies the requirements of AS1366: Combustibility of foamed plastics. When incorporated within a properly designed Rooflogic system a Group 1S rating is achieved with the RL PIR insulation core (ASISO9705-2003;ISO9705:1993)
- Practically no water absorption due to its structure of closed cell foam and to the aluminium paper.
- Lower thickness insulation due to the low thermal conductivity coefficient of PIR foam and the aluminium complex.
- Easy to manipulate and cut during installation
- High compressive strength
- CFC/HCFC free with zero ozone depletion potential (ODP)
- Range of facer options dependent on specific system and application
- Does not allow water uptake by capillary action
- Rot proof

RL PIR BOARD

THERMAL PROPERTIES

THICKNESS	40	50	60	80	100	120	140
THERMAL	2.06	2.32	2.60	3.45	4.35	5.20	6.10

Note: System R-values will be greater than the R-value of the RL PIR Board alone.

TECHNICAL DATA

	CLASS ACC. EN 13165	STANDARD	UNIT	SPECIFIED VALUES
THERMAL CONDUCTIVITY COEFFICIENT	i, (7d, 10°C)	EN 12667	W/m·K	0.0215
DECLARED THERMAL CONDUCTIVITY COEFFICIENT	D, 10°C	EN 12667	W/m·K	0.023
COMPRESSIVE STRENGTH*	CS(10/Y)200	EN 826	kPa	225±50
DIMENSIONAL STABILITY 48H, 70C, 90 %HR	DS(70,90)3	EN 1604	%	long, anch. <2 esp. <6
WATER ABSORPTION	WL(T)1	EN 12087	%	<1
THICKNESS	T2	EN 823	mm	e < 50 ±2 50 < e < 75 ±3 e >75 +5 -2
REACTION TO FIRE OF THE PRODUCT	-	EN 13501-1 AS 1366	-	Euroclass E
REACTION TO FIRE OF THE PRODUCT IN END USE (INSULATION DECK-TYPE ROOFS)	-	EN 15715 Fire Test	-	B-s2, d0Group 1-5