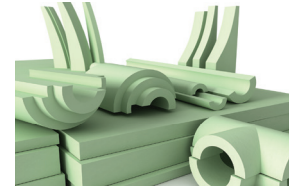


Description

The Tarec™pir range of rigid polyisocyanurate (PIR) insulation is suitable for a wide spectrum of applications. Tarec™pir has been developed to provide optimum performance with regards to insulation efficiency, mechanical stability, durability and total cost of ownership. Recognizable by its green color, Tarec™pir has, over time, gained worldwide recognition in many industries, such as industrial process, petrochemical, cryogenic and LNG for outstanding product quality and performance. The Tarec™pir M1-CR 50 classifies as Grade 2 Type III insulation, with enhanced mechanical properties for where a robust material is needed.



Technical specifications

Property	Standard	Value
Thermal conductivity λ_D	ASTM C518 at +10°C	λ_D -value 0,021 W/(m·K) (initial) λ_D -value 0,023 W/(m·K) (aged 25 weeks at +23°C)
Reaction to fire	EN 13501-1	D ₁ -s3, d0 (foam core only) E (foam core + T50 vapour barrier)
Surface burning characteristics	ASTM E84	Flame spread index: ≤ 25 (foam core only)
Density	ASTM D1622	50 kg/m ³ (nominal) 48 kg/m ³ (minimum)
Compressive strength	ASTM D1621 at +23°C	≥ 310 kPa (parallel) ≥ 260 kPa (perpendicular)
Tensile strength	ASTM D1623 at +23°C	≥ 450 kPa (parallel) ≥ 400 kPa (perpendicular)
Linear dimensional stability +93°C for 24 hours -30°C for 24 hours +70°C and 95% RH for 48 hours	ASTM D2126	≤ 1% ≤ 1% ≤ 3%
Temperature limits	ASTM C591	+120°C (maximal) -180°C (minimal)
Water absorption	ASTM C591 & ASTM C272 (Proc. A) ASTM D2842	≤ 1 (Vol. %) ≤ 5 (Vol. %)
Water vapour permeability	ASTM E96	≤ 4.3 Ng/Pa.s.m
Linear expansion coefficient	ASTM D696	40-70 x 10 ⁻⁶ K ⁻¹
Closed cell content	ASTM D6226	≥ 95%

For more information regarding the technical performance of our products, please contact our Techline at techline.industry@kingspan.com or +32 (0) 14 44 25 36.

Product Standard Compliance

Standard	Description	Compliance level
ASTM C591	Standard specification for unfaced preformed rigid cellular polyisocyanurate thermal insulation	Grade 2 – Type III

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