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TECHNICAL DATA SHEET

NIPPOGARD THERMA PIR32 Thermal Insulation Layer in Construction Field

Updated Aug'23

NIPPOGARD THERMA PIR32 is a rigid, light weight, modified insulation foam board based on polyisocyanate (PIR) activated with polyalcohols and auxiliaries. It is coated with fiberglass cement, graft paper or aluminium foil on both surfaces, providing excellent physical and mechanical characteristics.

Product Features:

- Excellent insulation performance •
- Excellent bonding to different type of substrates. •
- Excellent anti-aging performance •
- Excellent resistance to water
- Excellent flame-retardant performance (B1)
- Excellent dimensional stability
- Excellent impact resistance
- Excellent resistance to compression and deformation ٠

Application Area:

- Act as thermal insulation layer in construction field. •
- As insulation layer for the application of interior wall, floor, road, waterproof protection, earth shelters, ice rinks, roofing, foundation, highways, swimming pools, tank. industrial freezers, and refrigerated trucks for road and rails.

Product Category	Product Type	Appearance	Pack Size	Recommended Substrate	
Insulation foam board	Polyisocyanate (PIR) activated with Polyalcohols Insulation Foam Board	Grey	50mm x 0.6m x 1.2m	Concrete	
Application Data					
Material Shelf Life Storage condition Dimension Thickness Density		 Polyisocyanate (PIR) activated with Polyalcohols The product does not expire if stored properly. Sealed and stored horizontally in a cool and dry place, avoid from direct sunlight. Protected from environmental damage, heat, cold or moisture. Width = 600mm; Length = 1200mm 50mm 32 Kg/m3 			
Performance Data					
Properties		Result Stand		ard	
Compressive Strength, kPa Water Absorption, % (VN) Moisture Permeability Coefficient, ng/(m.s.Pa) (23°C±1°C; RH50%±5%)		: ≥ 150 : ≤ 3.0 : ≤ 6.5	JG/T 42 JG/T 42 JG/T 42	7 420-2013 7 420-2013 7 420-2013	
Thermal Conductivity (W/(m.k),25°C		:≤0.024	JG/T 420-2013		
Dimension Stability (%)		:≤1.0	JG/T 42	JG/T 420-2013	
Bending Reflection (mm)		:≥6.5	JG/T 42	420-2013	
Flame Class		: B1 JG/T 420-2013			

Storage & Safety Precaution

For further information or advice on health and safety precautions, safe handling, storage and correct disposal of products, please refer to the most recent product Safety Data Sheet (SDS), which is available upon request.

Note

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given without prior notice.