

SpecThane PU Foam Insulation FR

SOLVENT FREE

2K

Description:

A two component, rapid reacting polyurethane foam with self extinguishing properties for spray and casting applications to provide insulation.

Intended Uses:

SpecThane PU Foam Insulation FR is used for the insulation of roofing, cavities, walls, slabs, vessel, tanks, piping etc. the product is processed the plural component spray equipment using either impingement mixers or static mixer dispensing machinery.

Features & Benefits:

- Fast Reacting Formula – Rapid expansion and curing times enable quick turnaround on projects.
- Excellent insulative properties
- Easy application
- Over coatable

Certifications:

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Technical Data:

Product Physical Form	Liquid	
Binder Type	Polyurethane	
Colour	Brown	
Comp. A	Name:	SpecThane PU Foam Insulation FR Comp. A (ISO)
	Density (Kg/ Litre):	1.23 ± 0.05
	Volume Solids:	100%
Comp. B	Name:	SpecThane PU Foam Insulation FR (BASE) Comp. B
	Density (Kg / Litre):	1.15 ± 0.05
	Volume Solids:	100%
Mixed	Volume Solids:	100%
	Mixing Ratio (Volume):	1 : 1 (Comp. A : Comp. B)
Pack Size	1,2 Lt Cartridge, 1,5Lt Cartridge, 50Kg Kit, 400 Kg Kit	
Curing – at 20°C	2-4 seconds Cream Time 10-12 Seconds Gel Time 24-26 seconds Rise Time 13-16 seconds Tack Free	
Typical K Factor	0.025 w/m.K (at average temperature of 22°C)	
Free Rise Density	27-30 Kg/ m³	
Applied Density	30-35 kg / m³	
Compressive Strength	>200 kPa	
Method of Application	Cartridge gun or high pressure plural component sprayer	

Storage	This product should be sealed against moisture & stored out of direct sunlight in dry conditions between 15°C and 20 °C
Shelf Life	6 months when stored as recommended in original un-opened containers
R Values	20 mm = 0.80 25 mm = 1.00 30 mm = 1.20 40 mm = 1.60 50 mm = 2.00 60 mm = 2.40 70 mm = 2.80 80 mm = 3.20 90 mm = 3.60 100 mm = 4.00 110 mm = 4.40 120 mm = 4.80
Ideal Component Temp.	30-35°C
Minium Substrate Temp	15°C

Important Information:

- Always consult with technical department if unsure.
- Technical & application data herein is for the purpose of establishing a general guideline of the coating application procedure.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection & verification of the performance and use of the coating.
- The proper PPE should be worn at all times when using this product.
- This product must be kept away from foodstuffs.
- Controlled injection is key: Over-application can lead to slab cracking, while under-application may leave voids unfilled.

Application:

This product shall generally ne applied in one or more passes at no less than and expanded thickness of 10 mm and no more than 25 mm per pass. Each pass should be allowed to cure for at least 5 minutes before the next pass is applied. Feather should be minimized by sharply lapping each pass. Feathering of a layer thickness of less than 100m should be avoided on horizontal surface at edge termination or in levelling of ponded areas.

Externally applied insulation requires application of an appropriate membrane for the protection of the foam from weathering. The first coat of membrane should be applied, weather permitting, no earlier than 24 hours, and no more than 72 hours. Surface should be inspected for UV degradation before top coating. If damaged, the surface must be mechanically abraded and primed using 1k PU primer prior to top coating.

Systems:

Consult with Specialized Coating System for application specific recommendations.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection & skin protection.
- Apply in well-ventilated areas