

Technical Information

Version: 4.0

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Purios 500 B – Side

GENERAL INFORMATION:

- Purios 500 is a two component, **0.5lb open cell**, spray applied polyurethane foam
- Purios 500 provides **high-performance thermal insulation, air barrier and acoustic control**
- This product is a fully water blown foam system, which contains **ZERO Ozone Depleting blowing agents**
- Long lasting durability ensures **good energy efficiency for years.**

PRODUCT CHARACTERISTIC			
	Component B	Component A	Standard
Viscosity 77°F [cps]	200 – 450	170 – 230	ASTM D 2196
Specific gravity 77°F	1.05 – 1.15	1.22 – 1.24	ASTM D1638
Mixing ratio (by volume)	100	100	
FOAMING CHARACTERISTIC			
Start time [s]	2 – 4		
Gelation time [s]	5 – 8		

*components temperature in foaming test 122 – 140 °F

APPLICATION

In the formulation of polyurethane thermal- acoustic spraying semi-rigid foam (ceilings, walls).

Component B (Purios 500) mixture of polyols with additives.

Component A (Purios A) polymeric diphenylmethane 4, 4' diisocyanate.

Note: Mix polyol (Component B) before use!

FOAM PROPERTIES		
Thermal resistance (R-value at 1 inch)	3,79 hft²°F/Btu	ASTM C 518
Density	0,56 lb/ft³	ASTM D 1622
Compressive strength	≥ 1 psi	ASTM D 1621
Open cells content	80 – 90 %	ASTM D 6226
Fungi resistance	No fungi growth	ASTM C-1338

Purios 500 is a Class A at test ASTM E 84.

Flame Spread	15
Smoke Development	250

Note: The above values are average values obtained from laboratory experiments and should serve only as guidelines. Overall densities take into account thickness of application, environmental conditions, etc.

CONDITIONS OF STORAGE AND TRANSPORT

Optimal storage temperature is 59 – 74 °F. Raw materials should be stored in dry and closed rooms. Both components must be protected against moisture from the air. Shelf life in original manufacturer's packaging, stored at the recommended conditions is 6 months from the date of manufacture.

According to RID / ADR, both components are not hazardous materials.

Notice: Encompassed dates in this technical information obtained in of the model conditions. During the work in other possible conditions it's possible to obtain differ results from given.

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