

Technical Information

Version: 3.0

Date of issue: 24.08.2017

Purios 2000 B – Side

GENERAL INFORMATION

Two component system for producing rigid polyurethane foam. No blowing agent lean the ozone layer containing.

PRODUCT CHARACTERISTIC			
	Component B	Component A	Standard
Viscosity 77°F [cps]	300 – 700	170 – 230	ASTM D 2196
Specyfic gravity 77°F	1.1 – 1.2	1.22 – 1.24	ASTM D1638
Mixing ratio (bv volume)	100	100	
FOAMING CHARACTERISTIC			
Start time [s]	1 – 3		
Gelation time [s]	4 – 6		

*components temperature in foaming test 122 – 140 °F

APPLICATION

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

Component B (Purios 2000) mixture of polyols with additives.

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

FOAM PROPERTIES		
Thermal resistance (R-value at 1 inch)	7,22 hft ² F/Btu	ASTM C 518
Density foam in finished product	2,37 lb/ft ³	ASTM D 1622
Compressive strength at 10 % strain	≥ 28 psi	ASTM D 1621
Close cells content	min. 90 %	ASTM D 6226

Purios 2000 is a Class A at test ASTM E 84.

Flame Spread	25
Smoke Development	400

Note: The process for the preparation of the foam takes place with the release of heat, and therefore it depends on the external conditions, the lower the temperature of the raw materials of the substrate or the environment, the lower is the degree of expansion (foaming). Foam properties becomes full after 48 hours.

CONDITIONS OF STORAGE AND TRANSPORT

Optimal storage temperature is 59 – 73,4 °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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