

EKOSPRAY® OPEN CELL FX 09 POLYURETHANE SPRAY FOAM SYSTEM
TECHNICAL DATA SHEET

General Information

Two component system for producing semi-rigid polyurethane foam. It does not contain foaming agents that deplete the ozone layer in accordance with EU regulations (EC) No. 1005/2009.

Product characteristics		
	Component A	Component B
Viscosity (25°C) [mPas]	200-450	150-250
Density (25°C) [g/cm ³]	1.05 – 1.15	1.22 – 1.24
Mixing ratio (by volume)	100	100
Typical foaming properties (hand mix, 40-50°C)		
Start time [s]	2-4	
Gelation time [s]	5-8	

Application

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

Component A (EKOSPRAY® OPEN CELL FX 09) mixture of polyols with additives.

Component B (MDI M-200) polymeric diphenylmethane 4, 4' diisocyanate.

Surface spraying should be clean and dry, with temperatures min. 15°C, the ambient temperature during spraying min. 15°C and humidity max. 60%. The spray layer thickness should be in the range of 60 – 100 mm.

Note: Mix polyol (EKOSPRAY® OPEN CELL FX 09) before use!

Foam properties		
Thermal conductivity	$\lambda_{\text{mean}} 0,034 \text{ W}/(\text{m}\cdot\text{K})$	EN 14315-1:2013
Water vapour transmission resistance factor, μ	≥ 5	EN 14315-1:2013
Density foam in finished product	9 – 12 kg/m ³	EN 1602: 2013
Compressive strength at 10 % strain	$\geq 10 \text{ kPa}$	EN 14315-1:2013
Open cells content	90 – 95 %	PN - ISO 4590
Classification regarding reaction to fire	F	EN 14315-1:2013

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 15 – 25 °C. 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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