

TECHNICAL DATA SHEET for PU system EKOSPRAY OPEN CELL LIGHT (open cell spray foam) EKOSPRAY OPEN CELL LIGHT (polyol) EKOSPRAY ISO A (isocyanate)

Description Two component polyurethane system for spray foam insulation (thermal and acoustic). Low density open cell spray system is applicable for foam spraying by professional high-pressure machines on various surfaces including walls, roofs and etc. The resulted foam must be used where high compression strength is not required. It has excellent adhesion to woods, OSB, metal, bricks and etc. Output from one set is around 45m³ of foam depends on spraying conditions and material packaging.

Properties

	Units	EKOSPRAY OPEN CELL LIGHT polyol	EKOSPRAY ISO A isocyanate
Density (25°C)	g/cm ³	1,15	1,23
Viscosity (25°C)	mPa s	100-150	130-230

Conditions of processing

EKOSPRAY OPEN CELL LIGHT must be agitated prior to use with a suitable mixer, open top drum is specifically designed for the purpose. The recommended heating temperatures on the machine and on the heating hoses are 45-55°C for A-component and 45-55°C for B-component, depending on the outside temperature.

Parameters of the system

Free rise test measurements performed using FOAMAT, A:B ratio 1:1 by volume, mixing time 3 sec, components conditioned at 22°C, rotation speed of the agitator 3000 rpm

	Units	Measurement
Start	sec	5±2
Gel	sec	8±2
Tack free	sec	12±2
Free rise density	kg/ m ³	8-12

Foam properties (confirmed by independent laboratory)

	Units	Values	Test method
Core density	kg/m ³	8-12	ISO 845
Thermal conductivity	W.m ⁻¹ k ⁻¹	0.034-0.039	ISO 8301
Reaction to fire	class	E	EN ISO 11925-2
Water absorption	Kg/m ²	≤16	EN 1609

Storage and shelf life

Shelf life parameters are applicable to components at proper temperature of storage and in the properly sealed drums

	Units	EKOSPRAY OPEN CELL LIGHT polyol	EKOSPRAY ISO A isocyanate
Storage temperature	°C	5-25	5-25
Shelf life	months	12	12

Safety recommendations

The polyurethane system EKOSPRAY OPEN CELL LIGHT does not have any specific risk, if applied by professionals in accordance to safety recommendations. The contact with eyes and skin has to be avoided. Detailed information on safety during handling and transportation may be found in Material Safety Data Sheet.