Poliuretan Spray S-OC-006E, S-OC-008, S-OC-008E, S-OC-008ECO and S-OC-010

AENOR Producto Certificado Aislante Térmico

CE

DESCRIPTION

Source: ATEPA

Poliuretan Spray S-OC (6,8,10 kg) is a thermal-acoustic polyurethane system made up of two components: polyol and isocyanate. The system is applied in spray form “in situ”, obtaining low-density closed-cell foams with strong acoustic absorption properties.

The Poliuretan Spray system does not contain foaming agents that are harmful to the O-zone layer or contribute to global warming.

For further information, request the Technical Specifications and the Declaration of Performance

APPLICATIONS

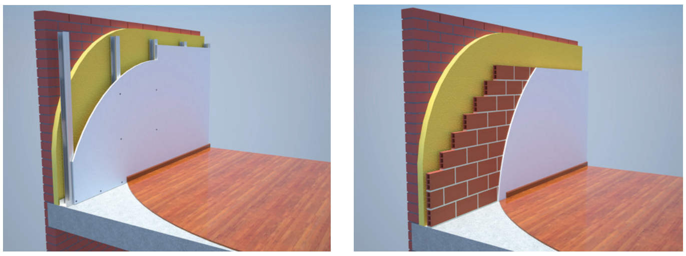
The Poliuretan Spray S-OC system is applied by means of a high-pressure jet, equipped with heating functions, with a mix ratio of 1:1 in volume.

It is is mainly used as **thermal insulation and to improve acoustic insulation against airborne noise in the enclosure of buildings**.

3.2 Façade insulation from the inside

This façade construction solution comprises one main external layer of polyurethane sprayed in the air chamber and reinforced on the inside.

The indoor reinforcement may be either dry or wet partitioning.



Source: ATEPA

There are a wide range of benefits offered by polyurethane sprayed onto the façade insulated from the inside, which can be consulted in the Synthesia Internacional Catalogue of Applications.

FEATURES

Characteristics	S-OC-006E	S-OC-008	S-OC-008E	S-OC-008ECO	S-OC-010
Applied density	6±1 kg/m^3	8±1 kg/m^3	8±1 kg/m^3	8±1 kg/m^3	10±1 kg/m^3
Maximum thickness in 1 coat	20-25 cm	15-20 cm	20-25 cm	17-20 cm	10-15 cm
Closed cells	<20	<20	<20	<20	<20
Fire performance	Euroclass E	Euroclass F	Euroclass E	Euroclass E	Euroclass F
Water permeability Short-term water absorption (Wp) by partial immersion		≤16 kg/m^2	≤3,5 kg/m^2	≤3,5 kg/m^2	≤3,5 kg/m^2
Resistance factor to water vapour (μ)		≥5	≥5	≥5	≥5
Acoustic absorption					0,5
Resistivity to the air flow					5-6 kPa s/m^2
Thermal conductivity (Lambda declared)	0,038 W/mK	0,037 W/mK	0,037 W/mK	0,037 W/mK	0,036 W/mK

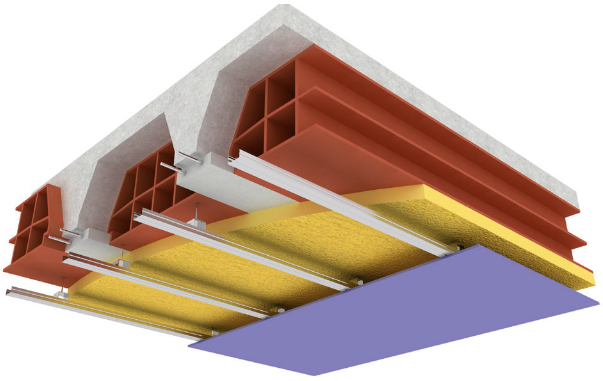
4.5 Ceilings

As part of this construction solution, the polyurethane foam is sprayed under the frame and afterwards the ceiling is hung.

There are a wide range of benefits offered by polyurethane sprayed onto ceilings, which can be consulted in the **Synthesia Internacional Catalogue of Applications**.

APPLICATIONS

	S-OC 006E/008/008E/ 008ECO/010
Façades	
Roofs	
Walls	✓
Ceilings	✓
Floors	



Source: ATEPA