

# Phono Spray

LOW-DENSITY  
THERMO ACOUSTIC  
POLYURETHANE  
SPRAYING

# S904



## Characteristics

It is an open-cell low-density sprayed polyurethane system for thermal and acoustic insulation from airborne noise in different building solutions.

Its porosity and elasticity make it an absorbent material in intermediate chambers of building solutions with an acoustic absorption coefficient of  $\alpha = 0.5$ .

Combining the Poliuretano S Spray impermeable and thermal closed-cell polyurethane foam with the Phono Spray S904 [5]>904 open-foam thermo acoustic polyurethane foam provides a impermeable and thermo acoustic in situ solution that is unique on the market.

It is a low-density open-cell foam Dens.applied < 20 kg/m<sup>3</sup>

Airflow resistivity:  $r = 5-6 \text{ kPa s/m}^2$

Dynamic Stiffness:  $s' = 4.83 \text{ MN/m}^3$

It is a good thermal insulating material.  $\lambda = 0.035-0.040 \text{ W/m K}$ .

Reaction to fire (UNE-EN 13501-01:2002) in final application: EUROCLASS B S1 D0

Same application advantages as Poliuretano S Spray. Continuous system without thermal or acoustic bridges

PROPERTIES	PHONO SPRAY S904
APPLIED DENSITY UNE -EN 1602	$12 \pm 2 \text{ Kg/m}^3$
RESISTANCE TO COMPRESSION UNE-EN 826	$10 \pm 3 \text{ KPa}$
DIMENSIONAL STABILITY 24 h, -30, 60°C	0.5% Vol.
CLOSED CELLS ISO 4590	< 10%
THERMAL CONDUCTIVITY COEFF. 20°C, 1 year	0.035-0.040 W/m K
ACOUSTIC ABSORPTION COEFF. according to UNE-EN 20354:1993	0.5
AIRFLOW RESISTIVITY r according to UNE-EN 29053:1993	$5-6 \text{ kPa s/m}^2$ *
DYNAMIC STIFFNESS s' According to UNE-EN 29052/1	$4.83 \text{ MN/m}^3$ **
FIRE BEHAVIOUR EUROCLASSES UNE-EN 13501-01:2002	B S1 D0 (In final application)

\* Tested and certified r (Airflow Resistivity) in CEIS, report: LAT0067/08, 25/06/08.

\*\* Tested and certified for Dynamic Stiffness s' in Laboratorios APPLUS, report no. 08/32309712, 30/07/08.

