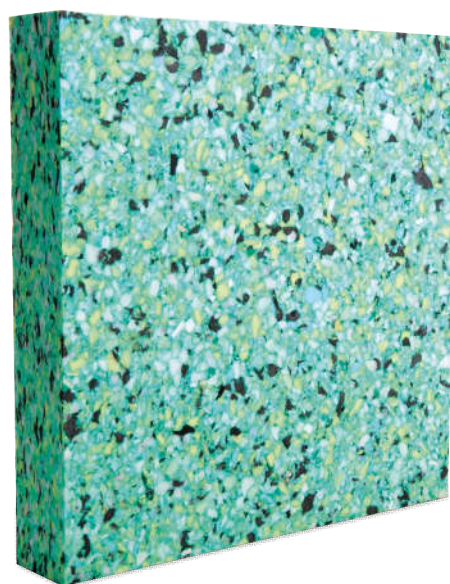


SOPRAPREN 80

SOPRAPREN it is a semi-rigid panel with a homogeneous and stable composition resulting from the agglomeration of flexible polyurethane foam, for its use as acoustic and thermal insulation in different construction elements.

ADVANTAGES

- High acoustic absorption.
- High elasticity.
- Provides thermal insulation.
- Easy installation.
- Ecological, recycled and recyclable product
- High stability.
- High resistance to ageing.



APPLICATIONS

- Acoustic insulation of walls, drywall partitions and ceilings.
- Improvement of acoustic insulation to airborne noise of partition walls in refurbishment jobs.
- Improvement of acoustic insulation to airborne noise in false ceiling refurbishment jobs.

REGULATIONS

- Laboratory tests according to: EN ISO 140-1, EN ISO 140-3, EN ISO 140-6, EN ISO 140-8, EN ISO 10140 and EN ISO 717/1/2.

ACOUSTIC INSULATION

SOPREMA reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to an inappropriate use of the product. The values shown in the technical sheet are the mean values from the tests in our lab.

INSTALLATION GUIDELINES

SUBSTRATE:

- Lends itself to all types of normal building substrates. The substrate must be even, smooth, clean and dry. It must also be free from elements that could damage the membrane. If the rendering is old, its condition must be checked to avoid adherence problems of the SOPRAPREN to the rendering.

INSTALLATION:

- Apply contact glue both to substrate and to SOPRAPREN face to be adhered using a short-nap roller or brush. As guideline, the yield will be 250 g/m² on each surface (please check glue manufacturer's indications).
- Let the adhesive become touch dry according to glue manufacturer's indications.
- Press the entire SOPRAPREN panel surface on the substrate to ensure correct adherence.
- Repeat the operation until the entire surface to be soundproofed is covered. Place the edges of contiguous panels butt joints.
- Apply contact glue to SOPRAPREN face and to the back side of plasterboard to be used as finishing layer.
- After drying time passed, install the plasterboard pressing on the entire surface. Place plasterboards staggered joints.
- Seal joints between plasterboards according to the manufacturer's instructions.



WARNINGS

- Check that the support is clean, dry and free from sharp elements.
- Make sure that the glue is evenly distributed over the entire surface.
- Check that the specified glue drying time has elapsed. This may vary depending on the temperature and humidity conditions.
- Make sure that the panels are positioned correctly upside down, without openings, since small openings can reduce the level of acoustic insulation to be achieved.

PACKAGING AND STORAGE

	SOPRAPREN 80		
	30	40	80
Weight (kg/m ²)	2,4	3,2	6,4
Thickness (mm)	30	40	80
Lenght (mm.)	2.000		
Width (mm.)	1.000		
Boards / pallet	40	30	15
m ² / pallet	80	60	30
Storage	Store boards horizontally on pallets on flat support without stacking. Store inside the original packaging, in a dry place and protected from heat sources and UV rays. The maximum recommended storage period is 1 year.		

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	SOPRAPREN	Unit
Density	EN ISO 845	80	kg/m ³
Compressive strength	ISO 3386-1	15	kPa
Tensile strenght	ISO 1798	>36	kPa
Elongation to break	ISO 1798	>40,3	%
Deflexión bajo carga	25%	215,1	N
	40%	395	
	60%	1.046	
Thermal conductivity	EN 12667	0,036	W/m·K
Vapour permeability	ISO 12572	52x10 ⁻¹²	kg/(m·s·Pa)
VOC Classification (Volatile Organic Compounds)	CEN/TS 16516, ISO 16000-3/-6/-9/-11	A+	

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ACOUSTIC PROPERTIES

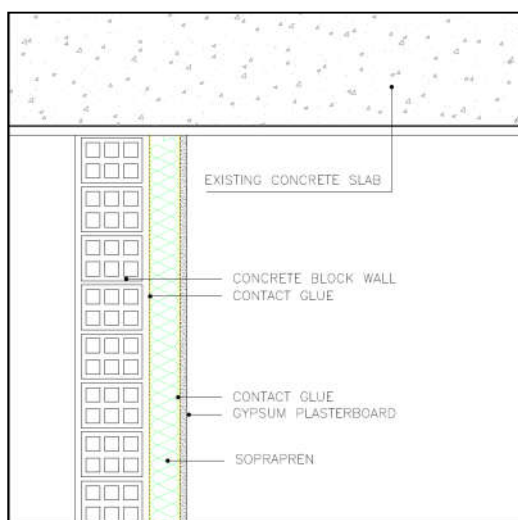
CHARACTERISTICS	Test Method	SOPRAPREN	Unit
Air Flow resistance	-	7,59 – 4,87	Kg/m ³
Absorption Coefficient NRC	EN ISO 354	0,69 – 0,92	KPa

SYSTEM TR-7

Wall cladding composed of fully bonded semi-rigid polyurethane foam panel SOPRAPREN 30/80 (30mm- 80 kg/m³) and gypsum plasterboard 15 mm thick. SOPRAPREN is installed using contact glue on one side of a reference concrete block wall with low critical frequency ("heavy wall") coated on both sides with approximately 10 mm of mortar. Gypsum plasterboard is then glued to SOPRAPREN panel.

Frequency (Hz)	R (TR-7 System)	R (Concrete block Wall)	Unit
125	41.1	38.9	dB
250	52.4	40.8	dB
500	64.0	48.5	dB
1000	71.2	55.0	dB
2000	76.3	60.6	dB
4000	77.7	61.6	dB
Weighted Sound Reduction Index, Rw	63	53	dB

Acoustic Insulation to airborne noise test report according to EN ISO 10140-2:2011 made at APPLUS Laboratories (*).



SPECIAL INDICATIONS

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

Quality, Environment and Safety Management

SOPREMA always recognizes as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.



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