

## PURE-KUSTIK

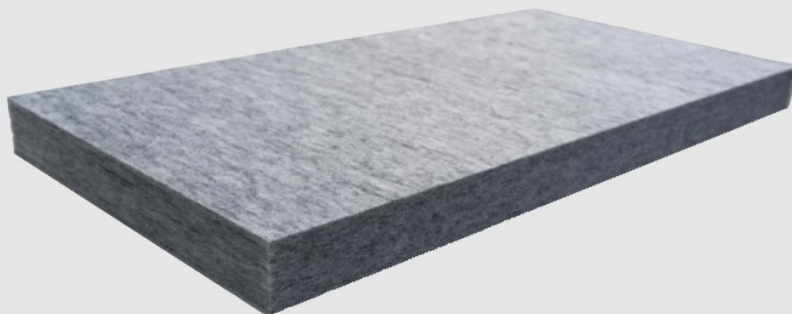
PURE-KUSTIK is a 40 mm thick sound insulation board consisting of polyester fiber with a high content of recycled material (> 60 %).

The boards are stable, extremely strong and shape-retaining, but also aesthetical. The polyester fiber boards are lightly pressed on both sides which results in a nice and smooth surface allowing interior finishing applications.

In rooms where reverberation (reflection of sound) is a problem, PURE-KUSTIK boards, used on walls and ceilings, provide acoustic correction thanks to its high sound absorption values.

### ADVANTAGES

- Sound absorbing ( $\alpha_w$  up to 0,9 – Class A)
- Esthetic, no need for additional textile finish
- Excellent fire class. No flame propagation
- Sustainable
- Elastic and dimensional stable (tol.  $\pm 1$  mm)
- Impact resistant
- Heat resistant
- Non-irritating
- Thermal insulating ( $\lambda = 0,034$  W/(m·K))
- Recyclable
- Smooth, non-fraying surface



### APPLICATIONS

Room acoustics treatment as rafts or baffles.

Other applications:

- Perforated metal ceilings.
- Climate ceilings.
- Suspended ceilings.
- Drywall partitions.
- Machinery enclosures and equipment.
- Office furniture industry.

### INSTALLATION

#### CUTTING TOOLS:

Polyester wool can be cut with a sharp ceramic knife, bandsaw or foam saw.

#### SUBSTRATE:

The substrate must be even, smooth, clean, and dry. It must also be free from elements that could damage the boards.

#### INSTALLATION:

The boards are mechanically fixed or glued (water-based glue) to the substrate.

Possibility of suspending the panels using TECSOUND suspension kits.

For optimal acoustic absorption, please leave a spacing of 5 cm between the edges of the boards.

#### WARNINGS

Do not fold the boards during storage, transportation, or installation.

Always perform a glue test in advance and follow the glue instructions provided by the manufacturer.

## MAINTENANCE

The surface can be easily cleaned with a vacuum cleaner with a soft brush.

## DIMENSIONS, PACKAGING AND STORAGE

Formats*		
Rectangle or square		Circle
Width (mm)	Length (mm)	Ø (mm)
300	600	300
	800	400
	1000	600
	1200	800
400	400	1000
	600	1200
	800	
	1000	
	1200	
600	600	
	800	
	1000	
	1200	
800	800	
	1000	
1000	1000	
1200	1200	
	1600	
	2000	
	2400	

\*Other formats available on request

## DIMENSION TOLERANCES

- Cutting tolerances:  $\pm 10$  mm
- Thickness tolerances:  $\pm 3$  mm

Properties	PURE-KUSTIK
Density (kg/m <sup>3</sup> )	50
Thickness (mm)	40
Colours	Classic white (not colour stable) Black Grey
Storage	The supplied product is packed in cardboard boxes. Store the boards in its original packaging, horizontally on a flat support, protected against moisture and sunlight. The boards have a shelf life of 1 year.

## AVAILABLE ON REQUEST

- water and oil repellent top layer (PU)
- heat-reflecting aluminium top layer
- available with a self-adhesive side

Other options (digital printing, shapes and sizes) on request.

## TECHNICAL PROPERTIES

Characteristics	Method	PURE-KUSTIK	Unit
Surface mass		2,0	kg/m <sup>2</sup>
VOC emissions	French VOC classes	A+	-
Fire classification White/grey Black	EN 13501-1 & ISO 11925	B-s1,d0 B-s2,d0	-

## ACOUSTIC RESULTS

Without air gap		
Frequency (Hz)	$\alpha_s$	$\alpha_p$
100	0,17	0.25
125	0,23	
160	0,31	
200	0,48	0.60
250	0,58	
315	0,72	
400	0,79	0.9
500	0,92	
630	1,02	
800	1,09	1.00
1000	1,09	
1250	1,12	
1600	1,07	1.00
2000	1,08	
2500	1,07	
3150	1,03	1.00
4000	1,04	
5000	1,03	
$\alpha_w$	0,9	
Class absorption	A	

## 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 recognises 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**.

