



## TECSOUND SY

TNVED 6806900000

### DESCRIPTION

Tecsound is a thin and elastic mineral high-density membrane ensuring good soundproofing effect for different elements of building constructions. The face side of the membrane is made of self-adhesive layer for proper fixation with different working surfaces.

### COMPOSITION

- natural calcium carbonate polymorph (natural aragonite);
- highly filled polymers;
- organic oils.

### MODIFICATIONS

Modifications	Length, m	Width, m	Thickness, mm	Roll Area, m <sup>2</sup>	Surface Density, kg/m <sup>2</sup>	Airborne Noise Isolation Index, Rw
Tecsound SY 35	8	1,22	1,8	9,76	3,5	24
Tecsound SY 50	6	1,22	2,6	7,32	5	26
Tecsound SY 70	5	1,22	3,7	6,1	7	28

### SPECIFICATIONS

Parameter	Test Method	Tecsound SY
Density, kg/m <sup>3</sup>	-	1 900
Longitudinal Strength, H/50mm <sup>2</sup>	NT-67	>30
Elongation, %	NT-67	>500
Low-Temperature Flexibility, °C	NT 1109	-20
Tensile Strength, H/50mm	NT 12310-1	153-235
Water Vapour Diffusion Resistance Factor	UNE-EN 1931	$\mu \geq 1806$
Water Absorption (24 h at 23°C), %	ISO 62	0,03
Shore A Hardness	NT 74	30 ± 10
Fire Hazard Class	-	KM1



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### APPLICATION

- additional acoustic insulation in sheathed frame structures of walls, partitions and ceilings. GKLZ AcousticGyps boards are recommended to be used as finishing;
- structure-borne noise insulation of different engineering and communication systems (air ducts, air boxes, pipes);
- soundproofing of production and industrial rooms (cabins, workshops, hangars);
- soundproofing of metal doors;
- niches and boxes for acoustic equipment.

### FEATURES

- high efficiency (owing to its properties: density, viscoelasticity, and high mass)
- flexural properties of membranes allow to decrease reverberation of materials which the membranes conjugate to;
- maximum efficiency without any loss of usable space;
- ease of installation on any surfaces;
- recommended for use in residential and commercial construction

### CERTIFICATES

1. Fire Safety Certificate. Fire Hazard Class: KM1.
2. Expert Opinion of Hygiene and Epidemiology Centre.
3. Acoustic Test Certificate.

### PACKAGING AND TRANSPORTATION

Modifications	No. of Rolls per Pallet, pcs	Pallet Area, m <sup>2</sup>	Pallet Weight, kg	No. of Pallets per Euro Trailer, pcs	Area in Trailer, m <sup>2</sup>
Tecsound SY 35	24	234,24	819,84	20	4684,4
Tecsound SY 50	24	175,68	878,4	20	3513,6
Tecsound SY 70	24	146,4	1024,8	20	2928

The products shall be stored horizontally on pallets. Placement of pallets on one another is not allowed.  
The products are delivered in rolls with cardboard tubes inside.  
The products shall be stored in original packages away from sources of heat and UV radiation in a dry place at max. 35°C.