

# TECHNICAL DATA SHEET

Decibel Visco

## Noise Barrier - Viscoelastic Membrane

### Product description and Technical Specification:

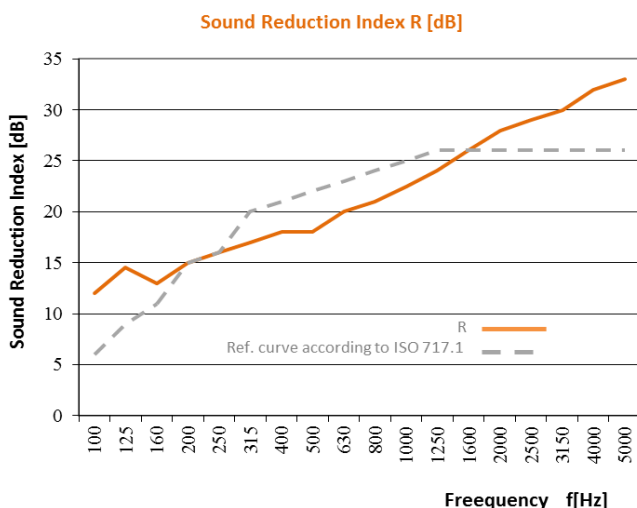
Constructed of non-reinforced blend of polymers compounded mineral filled, without lead and bitumen fillers. Decibel Visco can be used to increase transmission loss between acoustically sensitive spaces. Stiff lightweight panel constructions, such as gypsum board, typically have coincidence dip resonance which allows noise to transmit through a construction. The coincidence dip is dependent on the material's stiffness and thickness and occurs at the point where the sound transmitted through the structure matches the natural frequency of the panel. Decibel Visco barrier prevents coincidence dip resonance.



- High performance
- Vinyl noise barrier
- Offering superior acoustic transmission loss

PHYSICAL CHARACTERISTICS	Unit	Value
Thickness	mm	1.8
Length	mm	5000
Width	mm	1000
Weight	kg/m <sup>2</sup>	3.5

ACUSTIC CHARACTERISTICS	Standard	Unit	Value
Weighted Sound Reduction Index R <sub>w</sub> (C, C <sub>tr</sub> )	ISO 140.3 & ISO 717.1	dB	26 <sub>(0,-3)</sub>



Sound reduction index R <sub>w</sub>					
f [Hz]	dB	f [Hz]	dB	f [Hz]	dB
100	12	400	18	1600	26
125	15	500	18	2000	28
160	13	630	20	2500	29
200	15	800	21	3150	30
250	16	1000	23	4000	32
315	17	1250	24	5000	33

TECNICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Tensile Strength		MPa	0.9	<2% 4hr at 100 °C
Fire Behaviour	FMVSS 302 ISO 3795:1989	mm/min	< 100 <17.6	
Temperature Range		°C	-30°C, +130°C	

### PACHING AND STORING

Rolls with 3.5kg/m<sup>2</sup> 5m x 1m x 1,8mm

On pallets 120 x 100 x 150cm, 20 pieces per pallet, weight 350kg, 100m<sup>2</sup>, stretched with folium