ALPHA*fon* - AC.Poly

ACOUSTIC RETRACTABLE CURTAIN

APPLICATIONS

Acoustic Retractable Curtains **ALPHA*fon*-AC.Poly** is an efficient and economical solution for sound insulation problems, designed to reduce, dampen or absorb the noise even in outdoor applications.

Recommended applications:

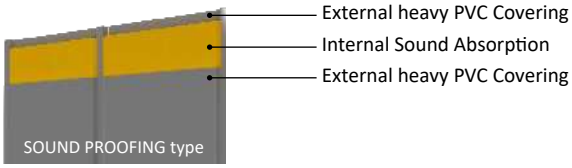
- HVAC noise barrier
- Thermal insulation
- Mechanical rooms separation
- Construction site noise
- Industrial noise control
- Car Wash noise control

ALPHA*fon*-AC.Poly/SP

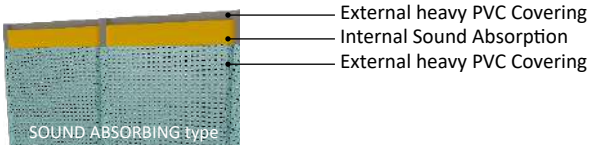
DESCRIPTION

The noise control curtain **ALPHA*fon*-AC.Poly** is made of an internal sound-absorbing material which is enclosed in a PVC Polyester covering on both sides.
There are 2 types of acoustic curtains depending on the purpose of use.

1. **ALPHA*fon*-AC.Poly/SP:** Sound-proofing curtains with **solid heavy** PVC Polyester covering on both external sides.



2. **ALPHA*fon*-AC.Poly/SA:** Sound-absorbing curtains with **mesh** PVC Polyester covering on one external side**.**



INSTALLATION

The acoustic curtain **ALPHA*fon*-AC.Poly** can be easily installed using a heavy duty wheel rail hanger system, effectively keeping noise, dirt and fume from escaping and be transmitted to other areas.This movable track system allows easy access & storage when necessary.

GENERAL CHARACTERISTICS of ALPHAfon-AC.Poly

The acoustic curtains **ALPHA*fon*-AC.Poly**, due to their composition are an efficient sound insulation solution with low weight and easy installation. They can be applied either as flexible gates/doors or as sound-proofing barriers or membranes for indoor/outdoor industrial applications.

Major advantages:

- Sound and thermal insulation properties.
- Control temperature flow, noise pollution, dust and particle contamination.
- Lightweight and easy to clean, handle and store.
- Highly flexible.
- External composite membranes are waterproof and resistant to atmospheric conditions and UV radiation.
- Anti-mould treatment.
- Easy to install & easy to use.
- Heavy-duty scroll system can easily be moved to a convenient place, so that the protected area is easily accessible.

Acoustic curtains are not generally used to stop noise transmission. Nevertheless, in some circumstances, with careful scheduling, acoustic curtains can absorb and reflect unwanted noise. With the interpolation of high mass fabrics/membrane between the external face fabrics, adequate sound insulation values are achieved. The effectiveness of such curtains is dependent on flanking around paths sealing achievement.

ACOUSTIC CHARACTERISTICS

Type ALPHAfon-AC.Poly/ SP	Apparent Sound Reduction Index R' (dB)							R_w (dB)
	Frequency (Hz)							
	125	*250*	*500*	*1000*	*2000*	*4000*	*8000*	
	5	6	9	11	13	19	23	13

Type ALPHAfon-AC.Poly/ SA	Practical Sound Absorption Coefficient (α_p)						Weighted Sound Absorption Coefficient (α_w)	Sound Absorption Class
	Frequency (Hz)							
	125	*250*	*500*	*1000*	*2000*	*4000*		
	0.1	0.2	0.45	0.75	1	0.95	0.75 (H)	C

Practical Sound Absorption Coefficient α_p, has been calculated according to ISO 11654:1997

TECHNICAL CHARACTERISTICS of EXTERNAL COVERING FABRIC

Base cloth	1100 dTex PES HT
Coating	PVC Lowick coating both side
Finish	Cleangard lacquer both sides
Tensile strength > *EN ISO 1421*	260 / 250 daN/5cm
Tear strength > *DIN 53.363*	32 / 28 daN
Adhesion > *EN ISO 2411*	8 daN/5cm
Cold resistance > *EN 1876-2*	-30 °C
Warm resistance > *(24h)*	70 °C
Fire resistance *DIN 4102 / BS 7837 / Euro classes EN 13501-1*	B1 / BS / B-S_2-D_0

*Our company applies the Quality Management System **ISO 9001.2008** & the Environmental Management System **ISO 14001.2004***

ALPHA ACOUSTIKI

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