



noise protection



products for operational noise protection

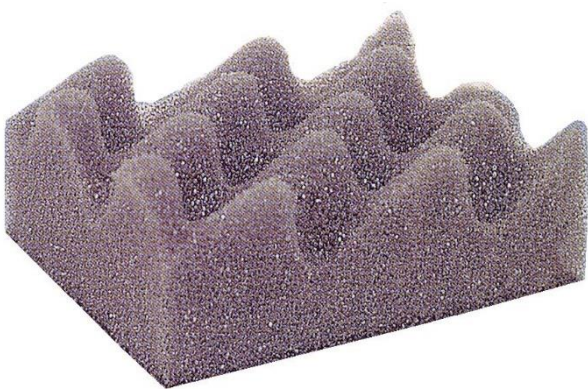
Medical data of late give indication, that continuous and excessive exposition to noise is not only harmful to the human hearing, but may also lead to increased levels of stress and stress-related secondary illnesses.

noise-protection and insulation mats


Our portfolio of noise-protection and insulation mats has been specifically designed for the reduction of acoustic pressure levels and the absorption of especially stressing high-frequency sound waves, by means of placing the sound-absorbing insulation mats around the source of emission, all of which in areas, where interference is actually possible, e.g. in production settings.


Technically feasible are - among others - full-range linings of walls and ceilings, as well as enclosing of aggregates, compressors and other noise-emitting components. The reduction of acoustic reverberation and the facilitation of human-to-human speech clarity both serve as a positive side effect here.

The mats are superbly suitable for DIY assembly, with good cut-to-measure properties. For a durable application on carrier materials, we recommend the double-sided SIGA TOP special adhesive tape.

absorption and insulation mat S 232 with dimples					
	application range	for high-speed electric motors, ultrasonic devices, printer hoods and for various measures on indoor acoustics			
	structure:	acoustic foam flame-retardant according to DIN 75200 / MVSS 302			
	surface:	open-cell structure, napped to ratio 1:1			
	rear side:	open-cell structure			
	formats:	1500 x 1000 x 20 mm + 20 mm 1000 x 500 x 20 mm + 20 mm			
grade of absorption (α) according to DIN 52212					
125 Hz	250 Hz	500 Hz	2000 Hz	4000 Hz	
0,11	0,32	0,63	0,90	0,95	

noise-protection and insulation mats

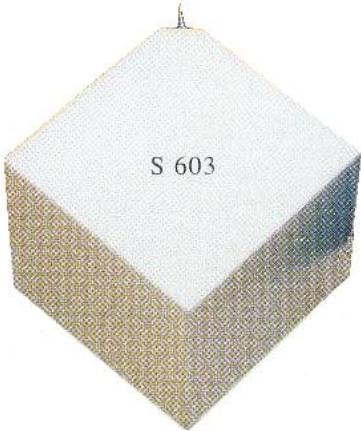
absorption and insulation mat S 262 without dimples with PU-film						
	application range:	for lining of machines and motor areas PU-film protects from moisture, oils and petroleum gases				
	structure:	acoustic foam flame-retardant according to DIN 75200 / MVSS 302				
	surface:	PU-film				
	rear side:	open-cell structure				
	formats:	1500 x 1000 x 20 mm 1000 x 500 x 20 mm				
grade of absorption (α) according to DIN 52212						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
	0,11	0,26	1,01	0,31	0,30	0,56

absorption and insulation mat S 361 with PU-film and bitumen lining						
	application range:	for lining of machines and motor areas PU-film protects from moisture, oils and petroleum gases				
	structure:	acoustic foam flame-retardant according to DIN 75200 / MVSS 302				
	surface:	PU-film				
	rear side:	bituminous felt (2 mm)				
	format:	1000 x 750 x 20 mm + 2 mm				
weight:	2,35 kg/m ²					
grade of absorption (α) according to DIN 52212						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
	0,11	0,26	1,01	0,31	0,30	0,56

measures on indoor acoustics


For indoor acoustics, absorbing elements made from PU-foam or melamine resin are advisable, as opposed to enclosures, cabinetts and screens.

With the source of the emission being further away and depending on the efforts undertaken, the level of sound pressure can be reduced by 3 to 7 dB. At least a minimum investment should be considered for especially noisy work places or over screening cabinetts which are open facing top-side.

BROADRANGE - cubic absorber S 603						
	application range:	to decrease the acoustic reverberation time in production- and multi-purpose halls				
	design:	melamine foam grey fire class according to DIN 4102 B1				
	surface:	open-cell structure				
	suspension:	including special screw-in hook				
	format:	400 x 400 x 400 mm				
grade of absorption (α) according to DIN 52212						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
	0,23	0,85	1,22	1,17	1,11	1,05

panel absorber					
	application range:	to decrease the acoustic reverberation time in production- and multi-purpose halls			
	design:	two-sided PU-absorption mat S 232 on wooden carrier plate			
	suspension:	including shackle and chain (500 mm)			
	formats:	1500 x 1000 x 88 mm 1000 x 750 x 88 mm			
	grade of absorption (α) according to DIN 52212				
	125 Hz	250 Hz	500 Hz	2000 Hz	4000 Hz
	0,11	0,32	0,63	0,90	0,95

optional

SIGA TOP double-sided special adhesive tape		
	application range:	double-sided SIGA TOP special adhesive tape for lasting application of the absorption and insulation mats S 232, S 262 and S 361 on various carrier materials such as wood, metal, plastics et.c. - surface of carrier material must be dry, dust-free and degreased for optimum adhesion results
	format:	35 mm x 50 meter on paper roll

current prices on our website via

www.bwz-schwingungstechnik.de/en/shopfloor-demand/noise-protection

Technical modifications subject to change! Any previous versions of this document are herewith null and void!