






## → ISOLSPACE INDUSTRY

Panel made of ISOLFIBTEC STR (carded web wadding of recycled polyester fibre) designed to ensure a remarkable sound absorption in work areas and other acoustically complex environments. Non-toxic, ecological, with unlimited duration.

**isospace**

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THICKNESS	Approx. 50 - 80 mm														
REACTION TO FIRE	Euroclass B-s2,d0														
SOUND ABSORPTION	<ul style="list-style-type: none"><li>Sound absorption coefficient of 50 mm thickness (diffuse field) UNI EN ISO 10534-1:2001</li></ul> <table><tr><td>frequency [Hz]</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0,10</td><td>0,25</td><td>0,30</td><td>0,55</td><td>0,90</td><td>0,80</td></tr></table> <p><math>\alpha_w = 0,40</math></p>	frequency [Hz]	125	250	500	1000	2000	4000	$\alpha_p$	0,10	0,25	0,30	0,55	0,90	0,80
	frequency [Hz]	125	250	500	1000	2000	4000								
	$\alpha_p$	0,10	0,25	0,30	0,55	0,90	0,80								
	<ul style="list-style-type: none"><li>Sound absorption coefficient of 80 mm thickness (diffuse field) UNI EN ISO 10534-1:2001</li></ul> <table><tr><td>frequency [Hz]</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>\alpha_p</math></td><td>0,05</td><td>0,20</td><td>0,50</td><td>0,80</td><td>0,85</td><td>0,85</td></tr></table> <p><math>\alpha_w = 0,45</math></p>	frequency [Hz]	125	250	500	1000	2000	4000	$\alpha_p$	0,05	0,20	0,50	0,80	0,85	0,85
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$\alpha_p$	0,05	0,20	0,50	0,80	0,85	0,85									
<ul style="list-style-type: none"><li>Equivalent sound absorption area in a reverberation room (UNI EN ISO 354:2003)**</li></ul> <table><tr><td>frequency [Hz]</td><td>125</td><td>250</td><td>500</td><td>1000</td><td>2000</td><td>4000</td></tr><tr><td><math>A_{obj}</math> [mq]</td><td>0,6</td><td>1,0</td><td>1,5</td><td>1,8</td><td>2,2</td><td>2,3</td></tr></table>	frequency [Hz]	125	250	500	1000	2000	4000	$A_{obj}$ [mq]	0,6	1,0	1,5	1,8	2,2	2,3	
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<p>** panels tested as "random objects" - single unit: <b>1,0*1,4 = 1,4 mq, thickness 50 mm</b>. Test report Istituto Giordano n. 330119 december 21<sup>st</sup> 2015.</p>															
EMISSION OF VOLATILE ORGANIC COMPOUNDS	VOC A+														
SIZE	100 x 140 cm, 50 x 140 cm, 100 x 70 cm														
COLOURS	White smoke or anthracite gray														

## → Conditions of use

IsolSpace Industry is a product specially developed for the acoustic correction of wide and noisy rooms. It is mainly suitable in production areas where the condition of "diffuse field" is not always respected, and the baffle systems are often used to reduce noise and to satisfy hygienic and environmental requirements. The shape and the thickness of the panels are appropriate also in the presence of low frequency sound waves. On demand, IsolSpace Industry can be supplied with it's steel suspension cables already installed.

## → Item specifications

Sound absorber panel of dimensions ... (100x140 cm, 50x140 cm, 100x70 cm) made of ISOLFIBTEC STR, recycled fibre of polyester (IsolSpace Industry type). Panel density approx. 30 kg/m<sup>3</sup>. Thickness ... (50 or 80 mm). Colours ... (white smoke or anthracite gray). Reaction to fire: Euroclass B-s2,d0. Sound absorption coefficient  $\alpha_w$  = ... (0,40 for 50 mm, 0,45 for 80 mm).

**WARNING:** This technical data sheet is not a valid specification and, if it consist of multiple pages, be sure to read the full document. This instruction are the best of our current experience but are indicative information. Assuming the liability resulting from the use of this product, it is up to the user to establish whether the product is suitable for the intended use.