



**KNAUF**CEILING  
Solutions


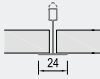





















## DATASHEET THERMATEX® Acoustic RL



- The laminated finish of THERMATEX® Acoustic RL creates a smooth, white appearance and provides good levels of sound absorption and excellent sound attenuation.
- Due to having the same surface finish, it can be used in the same ceiling along other products of the THERMATEX® Acoustic Range

- When used in combination with our high absorbing ceiling tiles, we can create an ideal acoustic environment, especially for teaching spaces
- High sound attenuation (38 dB; Board)
- Excellent light reflectance (88%)
- ISO 3
- Ideal for classrooms, lecture halls in the education sector

DATASHEET  
THERMATEX® Acoustic RL

<b>Edge details</b> Additional edge details on request		Board 														
<b>Thickness (mm)</b>		19														
<b>Dimensions (mm)</b>		600 x 600 610 x 610 625 x 625														
<b>System</b>		Exposed demountable - System C														
<b>Weight</b>		5.0 kg / m <sup>2</sup>														
<b>Colour</b>		 White														
<b>Sound absorption</b>		EN ISO 354 <span style="float: right;"><math>\alpha_w = 015</math> (L) as per EN ISO 11654 - <b>Class E</b></span> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency <i>f</i> (Hz)</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td><math>\alpha_p</math></td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.10</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table> NRC = <b>0.15</b> as per ASTM C 423	Frequency <i>f</i> (Hz)	125	250	500	1000	2000	4000	$\alpha_p$	0.25	0.20	0.15	0.10	0.15	0.20
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$\alpha_p$	0.25	0.20	0.15	0.10	0.15	0.20										
<b>Sound attenuation</b>		EN ISO 10848-2 $D_{n,f,w} = 38$ dB as per EN ISO 717-1 <span style="float: right;">CAC = <b>39</b> dB as per ASTM E 413-10</span>														
<b>Sound reduction</b>		EN ISO 10140-2 $R_w = 22$ dB as per EN ISO 717-1														
<b>Fire reaction</b>		Euroclass <b>A2-s1, d0</b> as per EN 13501-1														
<b>Light reflectance</b>		<b>88%</b>														
<b>Thermal conductivity</b>		$\lambda = 0.060$ W/mk as per EN 12667														
<b>Humidity resistance</b>		<b>95% RH</b>														
<b>Indoor air quality</b>		 E1														
<b>Cleanability</b>																
<b>Sustainability</b>		   <a href="http://www.blauer-engel.de/uz132">www.blauer-engel.de/uz132</a>														

Product availability may vary from country to country. Please contact your local sales representative.  
For further information and legal notice, please visit our website.