



**KNAUF**CEILING  
Solutions

## DATASHEET BIOGUARD<sup>®</sup> RH100



\* Protection from specific strains of bacteria and mold

BIOGUARD RH100 comes with superior water-repelling abilities, which results in resistance to sagging and increased longevity. Additionally, it includes anti-microbial and anti-mold properties that aid in preventing the spread of infections.


- Anti-microbial & anti-mold performance to assist with infection control\*
- High water-repelling property makes it well-suited for utilization in areas with high humidity.
- Appealing smooth surface
- Wipeable surface: Ceiling Tiles can be directly cleaned with damp cloth
- Good acoustic performance

### APPLICATION AREAS

- Healthcare (Severe Risk) zones like emergency rooms, burns unit, ICU, ICCU, surgery zones, oncology, radiology rooms, laboratories, recovery and delivery rooms, etc
- Kitchens, food service and processing areas

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YOUR **CEILING**  
OUR **SOLUTIONS**

<b>Edge details</b>		Board 	Tegular 24/90 	Tegular 15/90 														
<b>Thickness (mm)</b>		15	15	15														
<b>Dimensions (mm)</b>		600 x 600 600 x 1200	600 x 600 600 x 1200	600 x 600 600 x 1200														
<b>System</b>		Exposed Grid System, Demountable Ceiling (Prelude 24 mm)		Exposed Grid System, Demountable Ceiling (Suprafine 15 mm / Silhouette)														
<b>Weight</b>		≈ <b>4.1 kg/m<sup>2</sup></b>																
<b>Colour</b>		White																
<b>Sound absorption</b>		<p><b>NRC = 0.70</b></p> <table border="1"> <thead> <tr> <th>Frequency f (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>0.35</td> <td>0.40</td> <td>0.65</td> <td>0.85</td> <td>0.95</td> <td>0.95</td> </tr> </tbody> </table>			Frequency f (Hz)	125	250	500	1000	2000	4000	$\alpha_p$	0.35	0.40	0.65	0.85	0.95	0.95
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<b>Sound attenuation</b>		CAC = <b>31 dB</b>																
<b>Fire reaction</b>		<b>A2-s1, d0</b> as per <b>EN 13501-1</b>																
<b>Light reflectance</b>		Up to <b>88%</b>																
<b>Thermal conductivity</b>		$\lambda = 0.06 \text{ W/mK}$																
<b>Humidity resistance</b>		Up to <b>100% RH</b>																
<b>Recycled content</b>		Up to <b>38.1%</b>																
<b>Clean room classification</b>		<b>ISO 5</b> ( Class1)																
<b>Cleanability</b>																		
<b>Sustainability</b>																		

Products may vary from country to country. Please contact your local sales representative.  
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