



JENSEN HUGHES



# Fire assessment report

Fire hazard properties of OWA acoustic tiles in  
accordance with AS 5637.1:2015

Sponsor: Odenwald Faserplattenwerk GmbH

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## Executive summary

This report documents the findings of the assessment undertaken to determine the fire hazard properties of the OWAcoustic Premium, OWAcoustic Smart and OWAcoustic RAW range tiles in accordance with AS 5637.1:2015.

The analysis in section 5 of this report found that the proposed systems, together with the described variations, will achieve the group number as shown in Table 1 and Table 2 – in accordance with AS 5637.1:2015 and C/VM2, respectively.

The variations and outcome of this assessment are subject to the limitations and requirements described in sections 2, 3 and 6 of this report. The results of this report are valid until 31 December 2029.

**Table 1 Classification for AS ISO 9705:2003 (R2016) and AS 5637.1:2015**

Product Range	Product Name	Thickness (mm)	Density (kg/m <sup>3</sup> )	Group Number	SMOGR <sub>RC</sub>
OWAcoustic Premium	Sinfonia Silencia	20	165	1	< 100
	Sinfonia Balance	20	230		
	Sinfonia Privacy	20	330		
	Brillianto A	20	220		
	Ocean	20	220		
	Sinfonia Black	20	220		
	Sinfonia Privacy Humancare	20	330		
	Sinfonia Silencia Humancare	20	165		
	Sinfonia Humancare RH+	20	230		
	Finetta high CAC	20	300		
	Humancare Pro	20	165		
	Humancare Plus	20	190		
	Humancare Lab	20	270		
	Sinfonia Balance 25	25	230		
	Brillianto A	15	220		
	Sinfonia	15	220		
	Sinfonia Humancare	15	220		
	Sinfonia black	15	220		
	Sinfonia C	15	280		
	Constellation	15	300		
	Finetta	15	300		
	Alto	15	300		
	Finetta CP	15	300		
	Sandila N	15	300		
Sandila NRC	15	300			
Brillianto	12	320			
OWAcoustic Smart	Constellation	14	300		
	Finetta	14	300		
OWAcoustic RAW	RAW grey	20	200		
	RAW clay	20	200		
	RAW structure	20	300		

**Table 2 Classification for AS ISO 9705:2003 (R2016) and C/VM2 – Verification Method: Framework for Fire Safety Design**

Product Range	Product Name	Thickness (mm)	Density (kg/m <sup>3</sup> )	Group Number	Smoke production rate (m <sup>2</sup> /s)
OWAcoustic Premium	Sinfonia Silencia	20	165	1-S	< 5.0
	Sinfonia Balance	20	230		
	Sinfonia Privacy	20	330		
	Brillianto A	20	220		
	Ocean	20	220		
	Sinfonia Black	20	220		
	Sinfonia Privacy Humancare	20	330		
	Sinfonia Silencia Humancare	20	165		
	Sinfonia Humancare RH+	20	230		
	Finetta high CAC	20	300		
	Humancare Pro	20	165		
	Humancare Plus	20	190		
	Humancare Lab	20	270		
	Sinfonia Balance 25	25	230		
	Brillianto A	15	220		
	Sinfonia	15	220		
	Sinfonia Humancare	15	220		
	Sinfonia black	15	220		
	Sinfonia C	15	280		
	Constellation	15	300		
	Finetta	15	300		
	Alto	15	300		
	Finetta CP	15	300		
Sandila N	15	300			
Sandila NRC	15	300			
Brillianto	12	320			
OWAcoustic Smart	Constellation	14	300		
	Finetta	14	300		
OWAcoustic RAW	RAW grey	20	200		
	RAW clay	20	200		
	RAW structure	20	300		