





Fraunhofer TESTED® DEVICE Knauf Ceiling Solutions Acoustic Range Coating Report No. KN 2308-1449

Statement of Qualification

Single product Chemical Resistance

Statement of Qualification • Single product

Customer	Knauf Ceiling Solutions GmbH & Co. KG Elsenthal 15 94481 Grafenau	Test result / Classification	The chemical resistance of Acout to ISO 4628-1 and VDI 2083 Pa				ccording
	Germany		Chemical resistance	1 h	3h	6h	24 h
			Formalin 37 %	0	0	0	0
Component tested			Ammoniac 25 %	0	0	0	0
Category:	Cleanroom Facilities		Hydrogen peroxide 30 %	0	0	0	0
			Sulfuric acid 5 %	0	0	0	0
Subcategory:	Wall/Ceiling/Floor/Door		Phosphoric acid 30%	0	2	2	2
Product name:	Acoustic Range Coating (manufacturing date: color: white; dimensions: 3 x 3 cm)		Peracetic acid 15 %	0	0	0	0
			Hydrochloric acid 5 %	0	2	2	2
			Isopropanol 100 %	0	0	0	0
Chemical resistance test			Sodium hydroxide 5 %	0	2	3	3
			Sodium hypochlorite 5 %	0	1	3	3
Standards/Guidelines:	VDI 2083 Part 17; ISO 2812-1; ISO 4628-1 The norms stated generally refer to the version valid at the time of the tests.		The classification is based on a worst-case consideration. In the process, damage was assessed according to the classification system used in ISO				
Testing equipment:	MicroscopeCamera		4628-1 and VDI 2083 Part 17:				
Test environment parameters:	Temperature:		$0 = excellent \qquad 3 = v$ $1 = very good \qquad 4 = v$ $2 = good \qquad 5 = r$	very weak			
Test procedure parameters:	Immersion method Chemicals: Ammoniac 25 % Ammoniac 25 % Ammoniac 25 % Sulfuric acid 5 % Ammoniac 25						
	Sodium hydroxide 5 % Sodium hypochlorite 5 % • Incubation time:	The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time. Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.					
		Fraunhofer Institute for Manufacturing Engineering and Automation IPA Department of Ultraclean Technology and Micromanufacturing	KN 1804-1030Stuttgart, June 28Report No. first documentPlace, date of first documentKN 2308-1449Stuttgart, Septem	ent issued	app proc and 5 ye date issue	duct in its I is valid f ears from e the doc	e named s original sta for a period o the current cument was document ca

Nobelstrasse 12

70569 Stuttgart

Germany



on behalf of *Dr.*-Ing. Frank Bürger, Project Manager Fraunhofer IPA

Stuttgart, Septemb	er 15, 2023
Place, current date	

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