



# Acoustic Foam CME F3535S

## PYRAMID Panel 50

Acoustic polyurethane foam with open cell structure. This material type is primarily designed for standalone use or as a functional element in a material composite in order to achieve an efficient Alpha absorption. Furthermore, this material is fitted with an added retardant to increase its fireproof properties.

The basic version comes without any surface treatment, is not equipped with any films or lamination and doesn't have any isolation barriers or anti-vibration layers. However, all these elements can be added for a surcharge. We can also provide a self-adhesive system designed to simplify the mounting process.

### Application

This effective sound absorbent can be used in a wide variety of applications or industries, such as automotive, aviation, marine but in air conditioning units and endless other uses.

It works very efficiently as an absorbent panel, it can also reduce sound volume by significantly reducing echoing of these sounds. It can also be used in generators, boats, in reducing automotive sound volume or in production plants and halls.

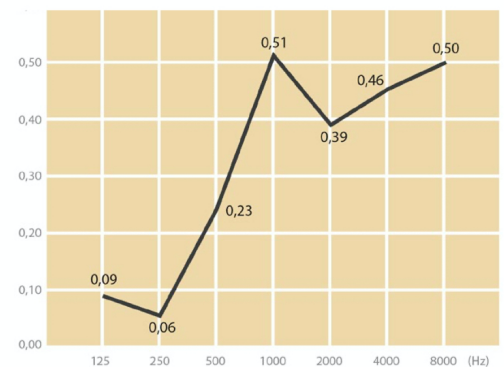
### Installation

We recommend using polyurethane adhesives or flexible putty to mount your foam. Another option is a self-adhesive layer, which can also be purchased additionally.

We have a highly trained and experienced team who can evaluate your situation and recommend the most efficient and effective way of mounting your foam to best meet your specifics.

#### Please Note

The information specified above is purely for guidance purposes and do not constitute a full specification. Furthermore, the results listed are only of indicative values. We reserve the right to change these values in order to further improve our product at any time with no prior notification.



**PYRAMID PANEL 50 mm**  
Acoustic Alpha Absorption

**Polymer Type:** Open Cell Polymer

**Colour:** Grey

**Density:** 35 kg/m<sup>3</sup>

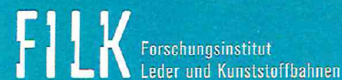
**Temperature Resistance:**  
-30°C / +110°C





Deutsche  
Akkreditierungsstelle  
D-PL-17362-01-00

Die Akkreditierung gilt für die in der  
Urkunde aufgeführten Prüfverfahren



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<b>Test report</b>	<b>183537</b>	21.08.2018
<b>Customer</b>	MOLITAN a.s. Organika Group Mrs. Regina Cujanová Mládežnická 3356 69002 Breclav Czech Republic	
<b>Order</b>	Selected emission tests	
<b>Date of order / delivery</b>	16.07.2018 / 20.07.2018	
<b>Test samples / amount</b>	PUR foam type CME / several pieces	
<b>Sampling</b>	by customer, test pieces from material by FILK gGmbH	
<b>Test methods</b>	see test results, climate for conditioning and physical testing: 23 ± 2 °C, 50 ± 5 % relative humidity	

The results are valid only for samples tested in the FILK Test Laboratory.

Accredited test methods are signed with [A]. Interpretations in the test report are not included in accreditation. Tests carried out by sub-contractors are signed with [U]. Tests carried out by co-operation partners are signed with [F].

The partial publication of the test report is only allowed with a permission of the FILK gGmbH.

Claims of damages are limited by the price of tests carried out. The general terms of business are valid. They are available by fax or under [www.filkfreiberg.de](http://www.filkfreiberg.de).







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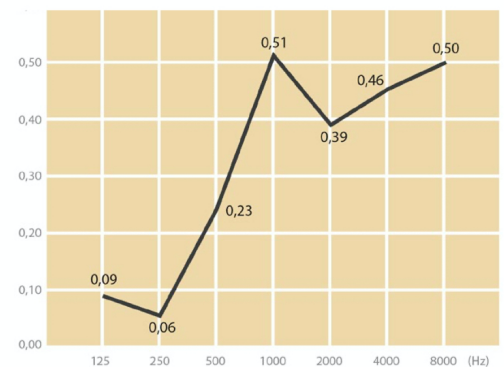
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**Colour:** Grey

**Density:** 35 kg/m<sup>3</sup>

**Temperature Resistance:**  
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## Test results

Parameter	PUR foam type CME
<b>Total carbon emission</b> in µgC/g VDA 277 [A] / PV 3341 [A] 1) single values mean value	9,0 / 9,1 / 9,1 9,0
<b>Emission test according single substance evaluation (VW 50180):</b> Substances parts 1, 2 and 3 according section III from the MAK-Value list (DFG) and all substances in the list from group A and B for risk for pregnancy > 1 µgC/g:	no
<b>Fogging, gravimetric</b> DIN 75201-B [A] / PV 3015 [A] single values in mg mean value in mg special observations control value (DOP) in mg	0,9 / 0,6 0,7 no 4,9
<b>Odour</b> VDA 270 [A] / PV 3900 [A] test condition C3 - rating	3,5
<b>Formaldehyde emission</b> in mg/kg on dry weight VDA 275 [A] / PV 3925 [A] HPLC measurement moisture content in %	< 2,0 1,1
<b>Burning behaviour</b> TL 1010	see datasheet

results marked with "<" indicate: value is below corresponding limit of quantitation of the test procedure

1) reduced sample weight due to low density

FILK gGmbH

Dr. Bernd Matthes  
Deputy Head of Test Laboratory

Annex: 1 datasheet Burning behaviour





Test Report Number : 183537  
 Test Laboratory : FILK gGmbH  
 Supplier : MOLITAN a.s.

**Test Report - Flammability of Materials acc. to TL 1010**

**Product/Material Details**

Material / No.	PUR foam type CME		
Kind of Material	foam		
Color	grey		
Laminate Material	no		
Specimen Dimensions [mm]	L = 350	W = 70	T = 13
Preconditioning	23°C / 50 % r.H.		
Supporting Wires	no		
Material Side exposed to Flame	-		

**Burning Data**

longitudinal	Specimen					
	# 1	# 2	# 3	# 4	# 5	# 6
Single Values Burning Distance [mm]	0	0	0	0	0	
Single Values Burning Time [s]	0	0	0	0	0	
Single Values Burning Rate [mm/min]	-	-	-	-	-	
Mean Value Burning Rate [mm/min]	SE / NBR <sup>1)</sup>					
Maximum Value Burning Rate[mm/min]	SE / NBR <sup>1)</sup>					

lateral	Specimen					
	# 1	# 2	# 3	# 4	# 5	# 6
Single Values Burning Distance [mm]						
Single Values Burning Time [s]						
Single Values Burning Rate [mm/min]						
Mean Value Burning Rate [mm/min]						
Maximum Value Burning Rate[mm/min]						

meet the requirements in TL 1010 point 3 [ ] yes [ ] no


**Observations**

**Irregularities**

**Comments**

	<sup>1)</sup> SE = self extinguishing NBR = no burning rate
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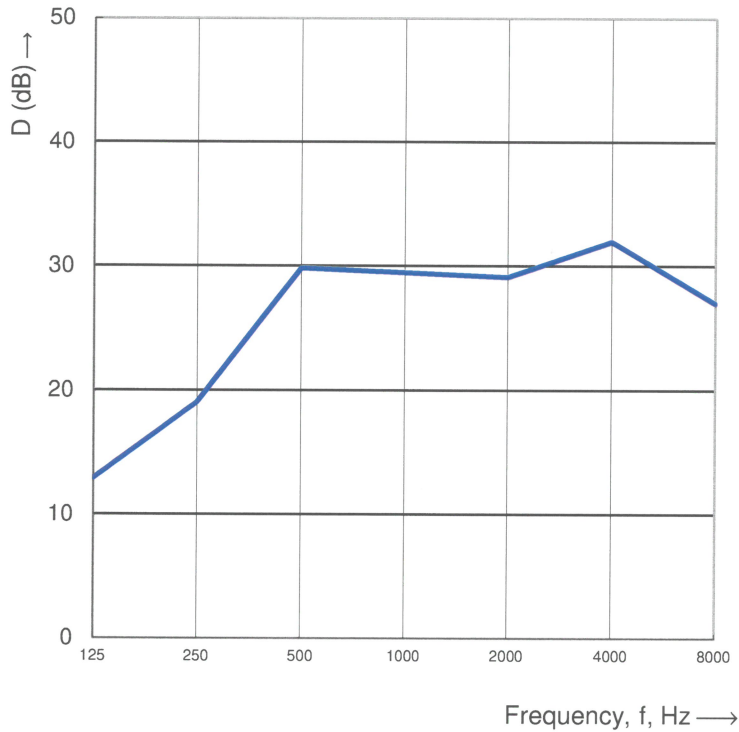
14.08.2018  
 Date

Harzer   
 Signature Examiner  
 FILK-QMF-1052-08e Revision 00 vom 01.07.2014



## Determination of speech level reduction according to ISO 23351-1

Product: VZ040210516  
 Operating conditions: common  
 Manufacturer: HON, a.s. Srbská 347/2, Dejvice, 160 00 Prague 6  
 Test laboratory: LASA Teplice  
 Name of the operator: Ing. Pavel Rubáš, Ph.D.  
 Test date: 16.03.2021



Frequency	Speech level reduction
f Hz	D dB
125	13,0
250	19,1
500	29,8
1 000	29,5
2 000	29,1
4 000	32,0
8 000	27,0
<b>D<sub>S,A</sub></b>	<b>30,7</b>

### Key

f 1/1-octave frequency band  
 D level reduction  
 DS,A speech level reduction

Appendix No. 1 to Report No. 040-067119

Classification of enclosures according to speech level reduction, DS,A

**A**





Acoustic test photo documentation:



### Telephone box CUBE CALL – variant 3

<b>Outside dimensions</b>	970 x 970 x 2,300 mm (W x D x H)
<b>Inner dimensions</b>	829 x 829 x 2,140 mm (W x D x H)
<b>Weight</b>	
<b>Frame</b>	wooden frame with euro edge, size 70 x 70 mm, powder paint
<b>Walls</b>	sandwich panel with acoustic filling – MDF frame 25 mm thick, filling: fabric/fleece/5 mm acoustic foam/40 mm acoustic foam/25 mm DTD/fleece/JET fabric. Fabrics designed for acoustic products in offices and meet flammability requirements.
<b>Ceiling</b>	sandwich panel with acoustic filling – MDF frame, thickness 25 mm, the central part equipped with weather fillings 10 mm thick made of chipboard panels, filled with 30 mm Basotect acoustic foam and covered with JET acoustic fabric.
<b>Floor:</b>	laminated chipboard 25 mm thick, PUR foam, carpet
<b>Door</b>	tempered glass thickness 8 mm, door position: right/left, glass fittings used
<b>Ventilation</b>	automatic ventilation connected to a motion sensor
<b>Lighting</b>	aluminium profile, LED strip including PIR, neutral white
<b>Equipment</b>	shelf, thickness 25 mm

