

# SURVEILLANCE REPORT

**No. 231001869-23-2 Dated 27.10.2023**

Valid until 31.12.2024

- English version -

## As proof of the reaction to fire in the context of external monitoring ()

**Client** Gebr. Ostendorf  
 Kunststoffe GmbH  
 Rudolf-Diesel-Strasse 6–8  
 49377 Vechta

**Sampling** On 14.03.2023 by a representative of the MPA Darmstadt in Vechta.

**Material** **House drain pipes made of polypropylene with the designation "HT SAFE EM DN 40x1.8"**  
 The samples were submitted by the client on 23.03.2023.  
 Information according to the sampling slip  
 Assignment **K230391** (MPA Darmstadt), **Test No. 23-21-12-Ou**  
 Batch: 07.03.23, material: PP-H

### Test results (Tests according to the approval principles for flame-retardant building materials)

- **Characteristic values:** HAT Safe EM DN/OD 40x1.8  
 Weight: 236 g/m on average,  
 Wall thickness: 2.1 mm on average,  
 Colour: darkgrey

### - Fire shaft test according to DIN 4102-16

	Individual values				Average value
Residual length [cm]	30	26	38	36	33
Maximum flue gas temperature [°C]	130 in the 3rd minute				
Maximum flame height [cm]	60 in the 1st minute				
Afterburning / Smouldering [min : s]	-- / --				
Other observations	Smoke development: 180%xmin Further burning on the sieve bottom: 00:36 [min : s]				

**Comments:** The test was carried out on a fibre cement board in an arrangement of 4 (with a clearance in each case of 10 mm).

-- = was not observed

**- B2 test according to DIN 4102-1**

(Tests with edge flaming)

Edge protection: --

Flame attack point: Front edge of the sample, outside

Sample no.	1	2	3	4	5	
Time from start of test (s)						
Ignition (s)	1	1	1	1	1	
Reaching the measuring mark (s)	--	--	--	--	--	
Self-extinction of the flames (s)	15	--	--	--	--	
Maximum flame height in cm (up to 20th second)	4	4	6	5	5	
End of afterburning (s)	--	22	22	25	49	
End of smouldering (s)	--	--	--	--	--	
Flames or smouldering were extinguished after the measuring mark was reached	--	--	--	--	--	
Smoke development	low					
Flaming particles (s)	no	no	19	18	no	

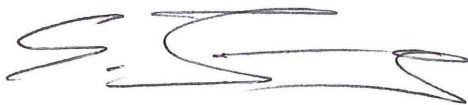
Comments: -- = was not observed

**Conclusion**

**The test for flame retardancy (building material class B1 according to DIN 4102-1) was passed.**

Erwitte, 27.10.2023

By order of the  
official responsible



(Dipl.-Ing. Sascha Jung)



**This test report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt the German version is solely valid.**

**Date of issue of this English version: 06.11.2023**