

## TEST REPORT IEC 60695-11-5:2016

### Part 11-5: Test flames – Needle-flame test method- Apparatus, confirmatory test arrangement and guidance

Report Reference No.....: U4F40001

Tested by (name + signature) .....

Adam Pella  
Qualification Engineer



Approved by (name + signature) .....

Christian Waldenburg  
Lab Manager Product Safety



Date of issue.....: Jun 05, 2024

Total number of pages..... 9

Testing Laboratory .....: SGS Germany GmbH

Address .....: Benzstraße 26/28, 82178 Munich, Germany

Applicant's name .....: Music & Sales Professional Equipment GmbH

Address .....: Tritschlerstr. 3  
66606 St. Wendel, Germany

#### Test specification:

Standard .....: IEC 60695-11-5:2016

Test procedure .....: Accredited testing

Non-standard test method.....: N/A

Test Report Form No.....: IEC60695-11-5

Test Report Form(s) Originator .....: SGS CQE

Master TRF.....: 2018-07

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<b>Test item description</b> .....	Front piece (baffle) of ceiling loudspeaker
Trademark .....	--
Manufacturer .....	Music & Sales Professional Equipment GmbH
Address .....	Tritschlerstr. 3 66606 St. Wendel, Germany
Model and/or type reference .....	SI Series CM-4
Summary of testing:  The test results <b>comply</b> with the requirements of the needle flame test IEC 60695-11-5:2016.  Remarks:  1. Flame application time was 30 s.  2. Flame application points were defined by applicant.	
<b>Testing</b> .....	
Date of receipt of test item .....	Apr 04, 2024
Date(s) of performance of tests.....	Apr 10, 2024 to May 03, 2024
<b>General remarks:</b>  The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.  "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.  Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.  This document is issued by the Company subject to its General Conditions of Service (www.sgsgroup.de/agb). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein.  This document is an original. If the document is submitted digitally, it is to be treated as an original within the meaning of UCP 600.  Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.	

**Statement concerning the uncertainty of the measurement systems used for the tests**

(may be required by the product standard or client)

☒ **Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:**

**Procedure number, issue date and title:**

**SOP\_O\_345\_xx\_PS\_ Decision rule according new DIN EN ISO / IEC 17025: 2018 and**

**SOP\_B\_040\_xx\_PS\_Uncertainty; Measurement Uncertainty Product Safety**

These Documents are an SGS "internal controlled document", (xx Version number, which is linked to issue date)

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

☐ **Statement not required by the standard used for type testing**

(Note: When IEC or ISO standard requires a statement concerning the uncertainty of the measurement systems used for tests, this should be reported above. The informative text in parenthesis should be delete in both cases after selecting the applicable option)

## IEC 60695-11-5

**Needle flame test**

These tests determine whether structural or energize components (tested in a non- energized state) can resist flame spread. The components are considered flame- spread resistant if after one application of the needle flame (as described by **IEC 60695-11-5**) the test sample does not ignite, or any resulting flames or glowing extinguish within 30 seconds of removing the needle flame, and any plastic drippings do not ignite a piece of paper placed 200 mm below the test sample location.

**Test results:**

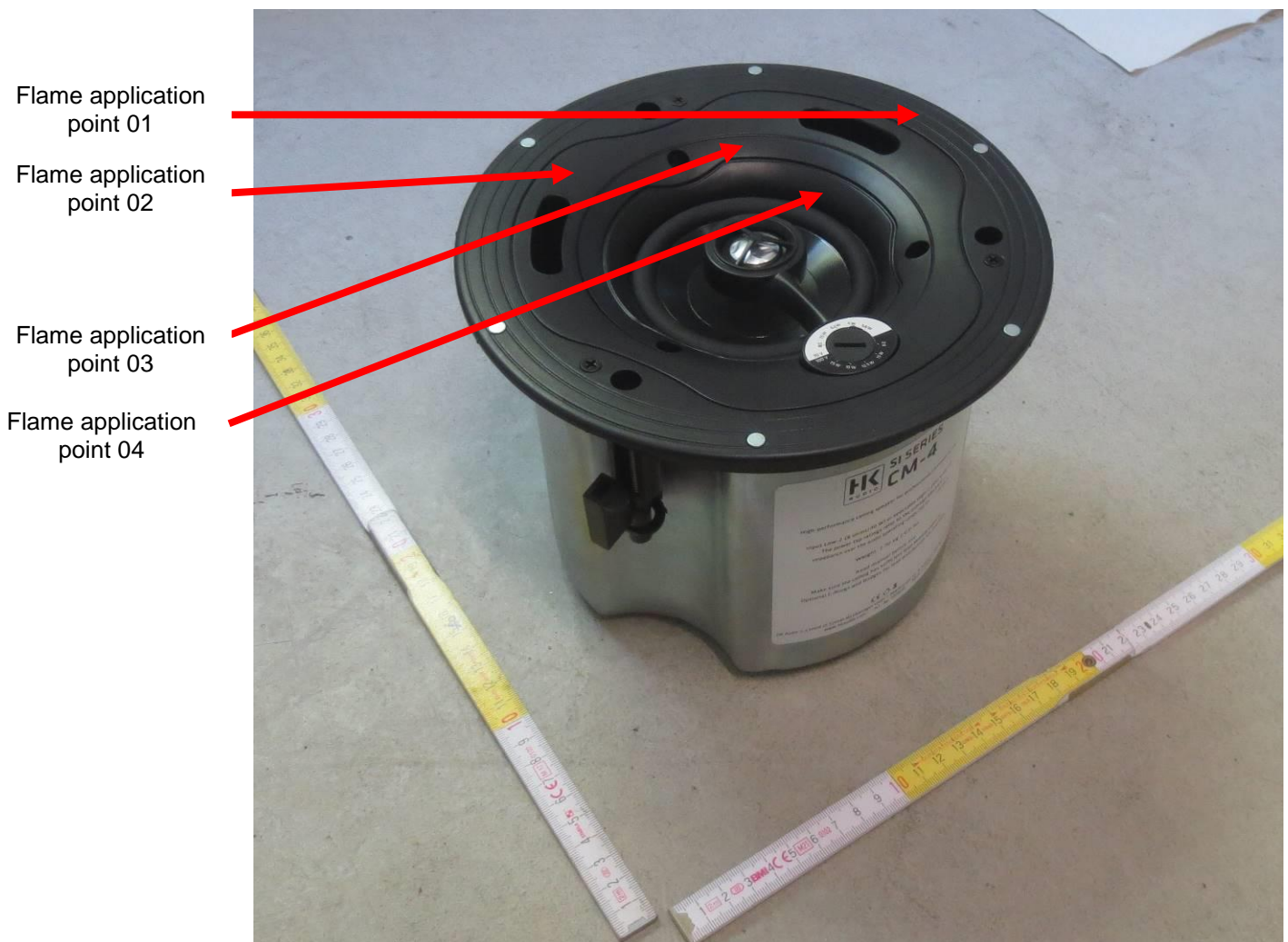
Test specimen	Ignition time [s]	Burns?	After flame time [s]	Paper ignited?	Test result
<b>Flame application point 1 (see photo 01)</b>					
1	30	No	0	No	<b>Passed</b>
2	30	No	0	No	<b>Passed</b>
3	30	No	0	No	<b>Passed</b>
<b>Flame application point 2 (see photo 01)</b>					
1	30	No	0	No	<b>Passed</b>
2	30	No	0	No	<b>Passed</b>
3	30	No	0	No	<b>Passed</b>
<b>Flame application point 3 (see photo 01)</b>					
1	30	No	0	No	<b>Passed</b>
2	30	No	0	No	<b>Passed</b>
3	30	No	0	No	<b>Passed</b>
<b>Flame application point 4 (see photo 01)</b>					
1	30	No	0	No	<b>Passed</b>
2	30	No	0	No	<b>Passed</b>
3	30	No	0	No	<b>Passed</b>

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Flame application point 5 (see photo 02)					
1	30	No	0	No	Passed
2	30	No	0	No	Passed
3	30	No	0	No	Passed
Flame application point 6 (see photo 02)					
1	30	No	0	No	Passed
2	30	No	0	No	Passed
3	30	No	0	No	Passed
Flame application point 7 (see photo 03)					
1	30	No	0	No	Passed
2	30	No	0	No	Passed
3	30	No	0	No	Passed
Flame application point 8 (see photo 03)					
1	30	No	0	No	Passed
2	30	No	0	No	Passed
3	30	No	0	No	Passed

**Photographs**

Photo Id	Description
01	Test item before test, flame application points 01 to 04
02	Test item before test, flame application points 05 and 06
03	Test item before test, flame application points 07 and 08
04	Test item after test, flame application points 01 to 04
05	Test item after test, flame application points 05 and 06
06	Test item after test, flame application points 07 and 08

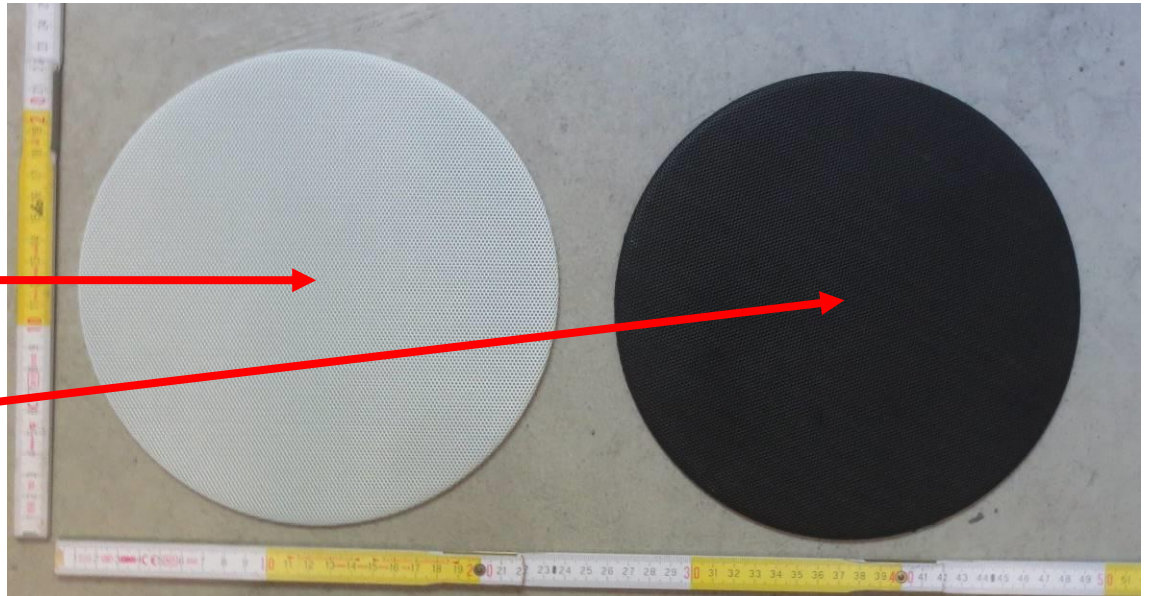


01 Test item before test, flame application points 01 to 04



Flame application  
point 05

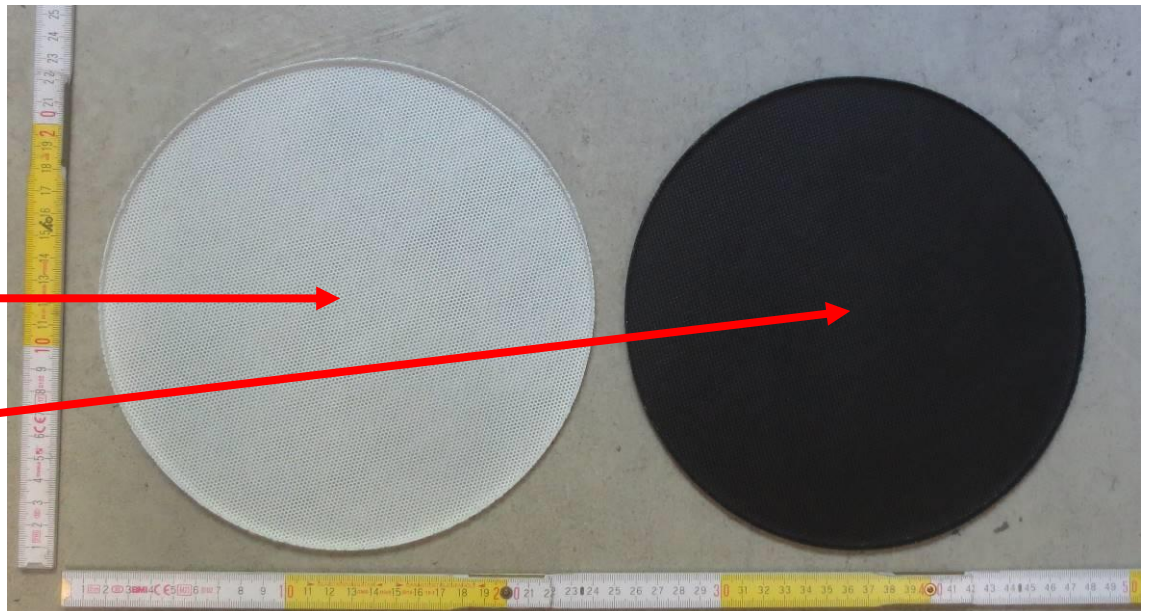
Flame application  
point 06



02 Test item before test, flame application points 05 and 06

Flame application  
point 07

Flame application  
point 08

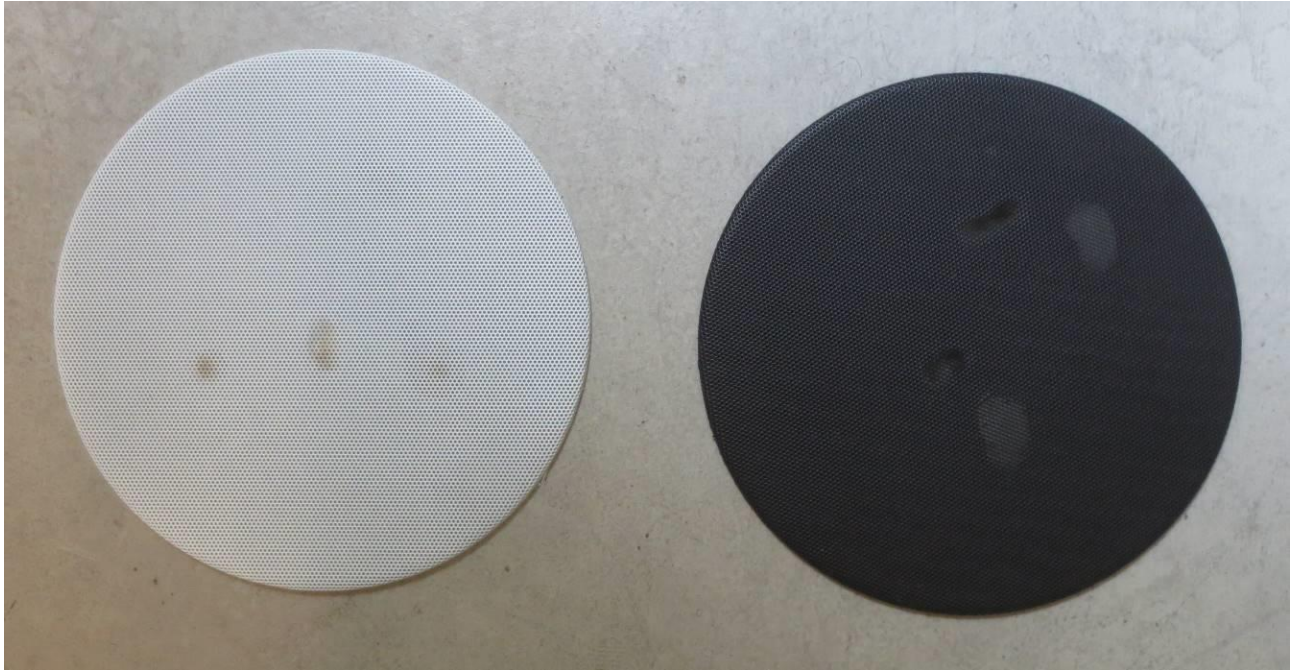


03 Test item before test, flame application points 07 to 08

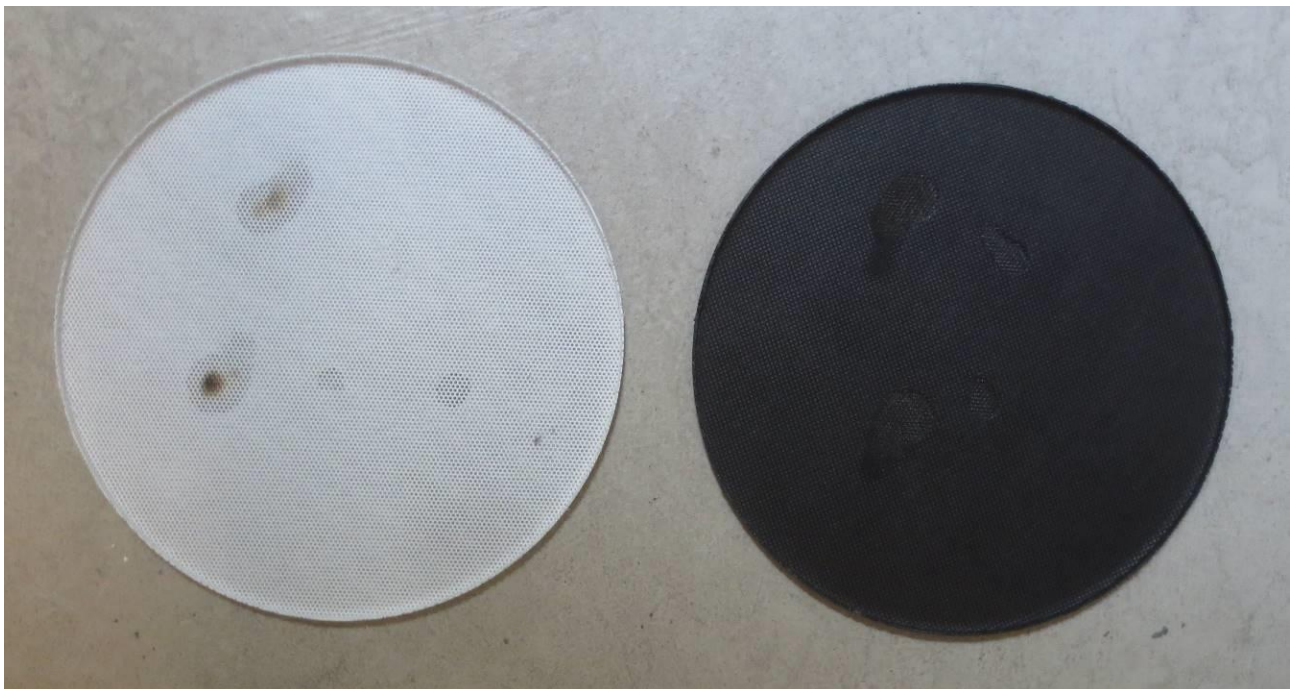


04 Test item after test, flame application points 01 to 04





05 Test item after test, flame application points 05 and 06



06 Test item after test, flame application points 07 and 08

**End of Test Report**