Deutsche Akkreditierungsstelle
D-PL-11020-03-01
D-PL-11020-03-03

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

This document was signed electronically.

Test item description .....:	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 **comply** 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.

Testing ..... :	
Date of receipt of test item ..... :	Apr 04, 2024
Date(s) of performance of tests..... :	Apr 10, 2024 to May 03,.2024

General remarks:

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 ☒ comma / ☐ point is used as the decimal separator.

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
Flame application point 1 (see photo 01)					
1	30	No	0	No	**Passed**
2	30	No	0	No	**Passed**
3	30	No	0	No	**Passed**
Flame application point 2 (see photo 01)					
1	30	No	0	No	**Passed**
2	30	No	0	No	**Passed**
3	30	No	0	No	**Passed**
Flame application point 3 (see photo 01)					
1	30	No	0	No	**Passed**
2	30	No	0	No	**Passed**
3	30	No	0	No	**Passed**
Flame application point 4 (see photo 01)					
1	30	No	0	No	**Passed**
2	30	No	0	No	**Passed**
3	30	No	0	No	**Passed**

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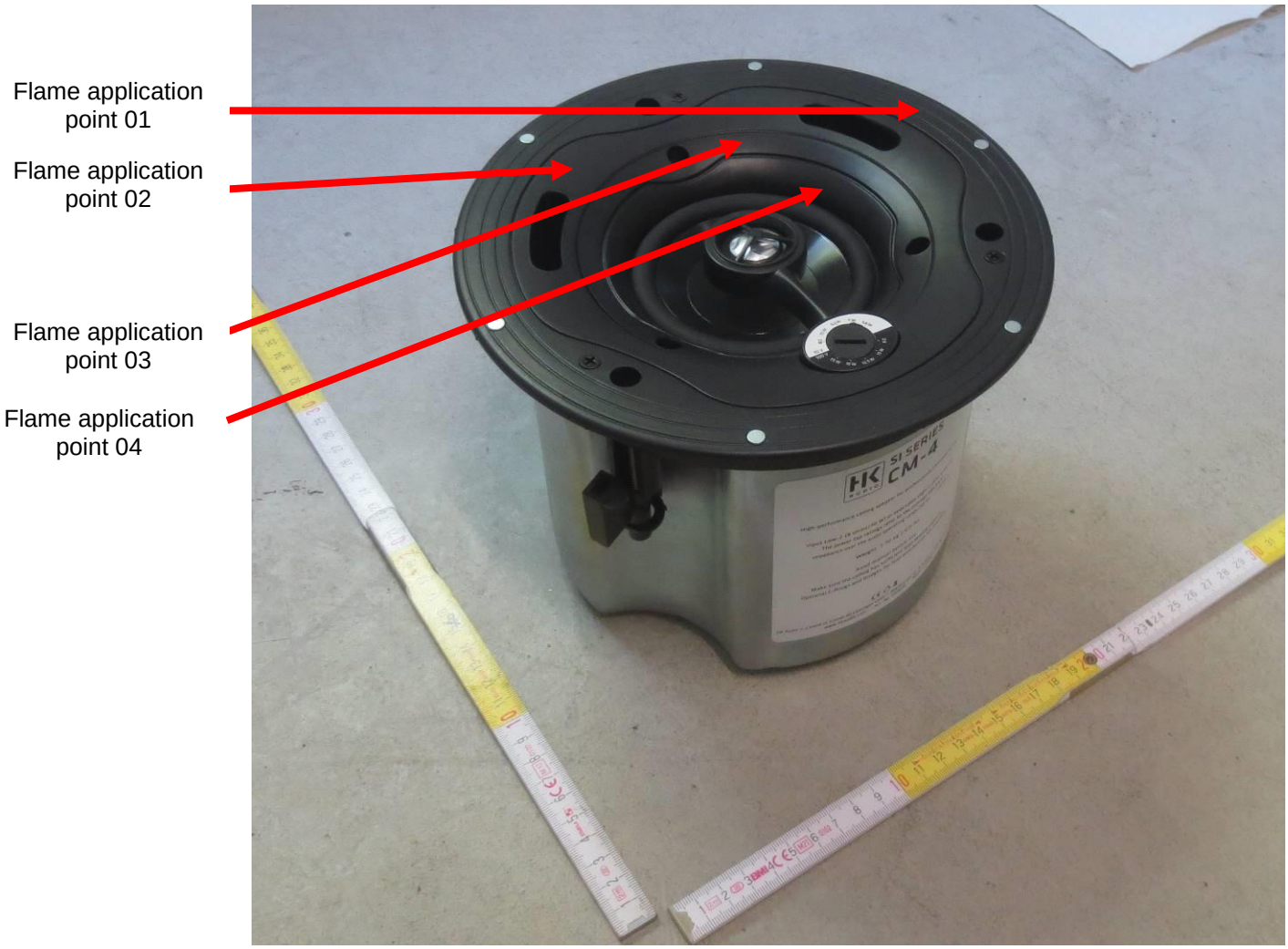
Flame application point 5 (see photo 02)					
1	30	No	0	No	**Passed**
2	30	No	0	No	**Passed**
3	30	No	0	No	**Passed**
Flame application point 6 (see photo 02)					
1	30	No	0	No	**Passed**
2	30	No	0	No	**Passed**
3	30	No	0	No	**Passed**
Flame application point 7 (see photo 03)					
1	30	No	0	No	**Passed**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

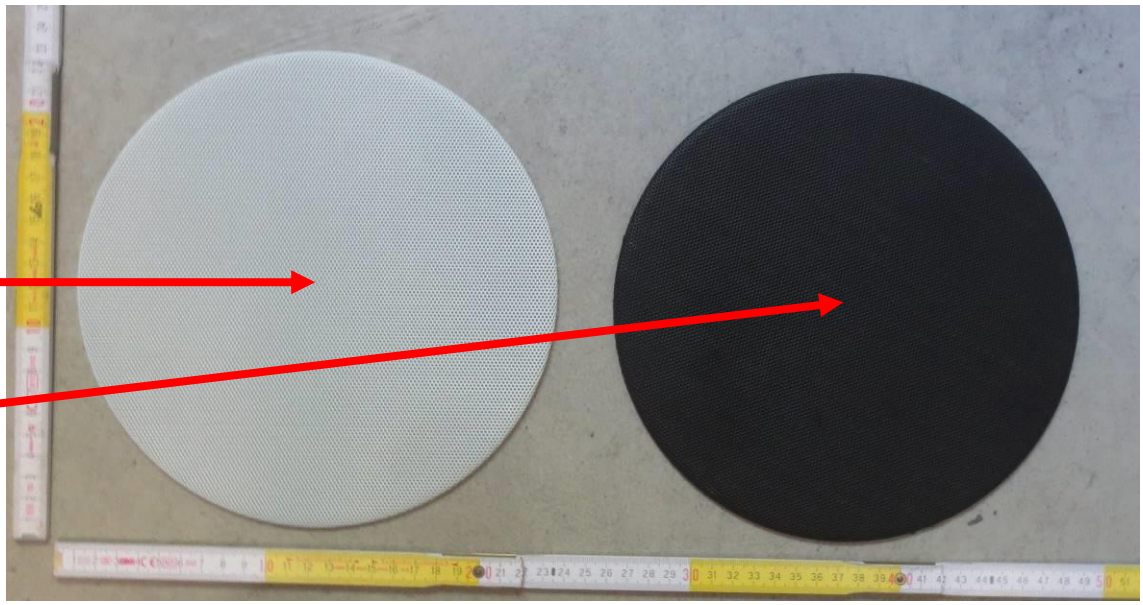
Photo Id	Description
01	Test item before test, flame application points 01 to 04
02	Test item before test, flame application points 05 and 06
03	Test item before test, flame application points 07 and 08
04	Test item after test, flame application points 01 to 04
05	Test item after test, flame application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

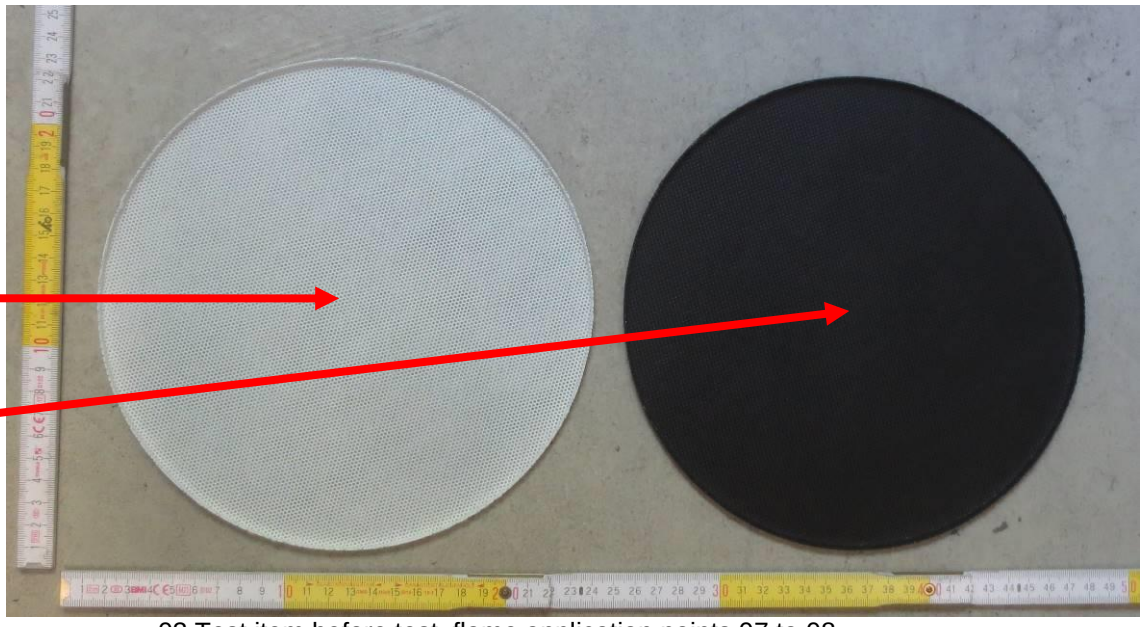
Flame application point 06



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

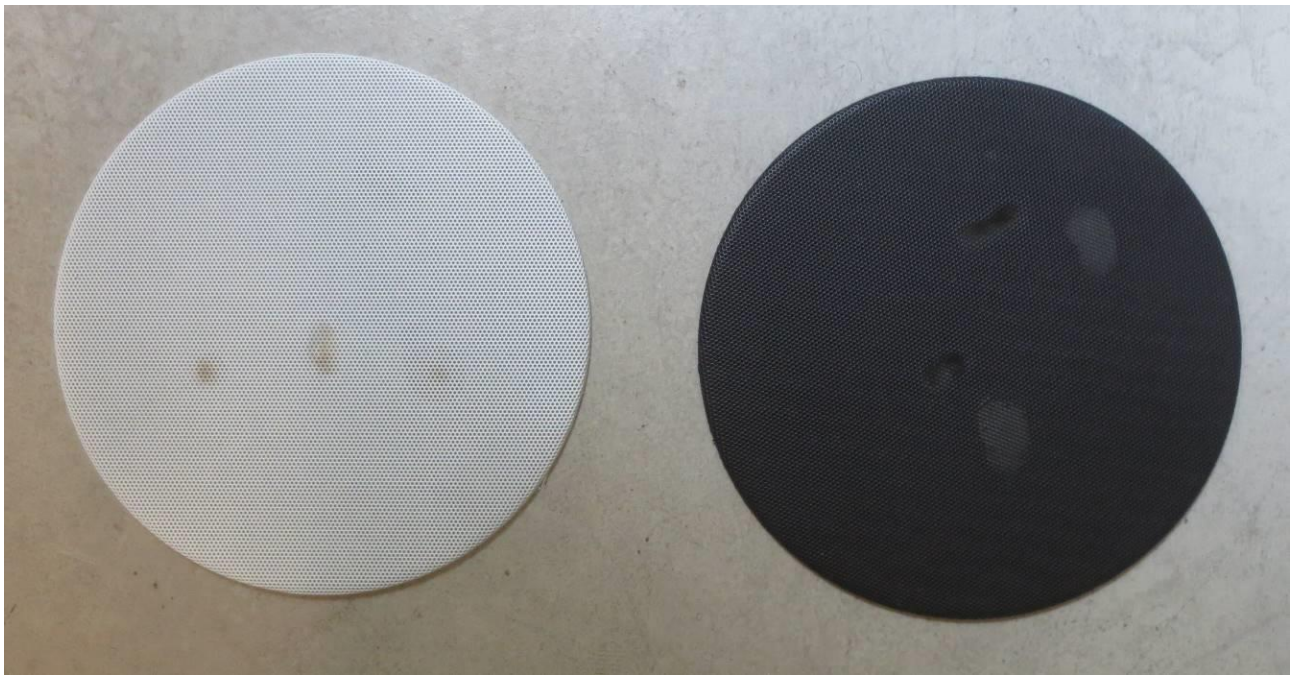
Flame application point 07

Flame application point 08

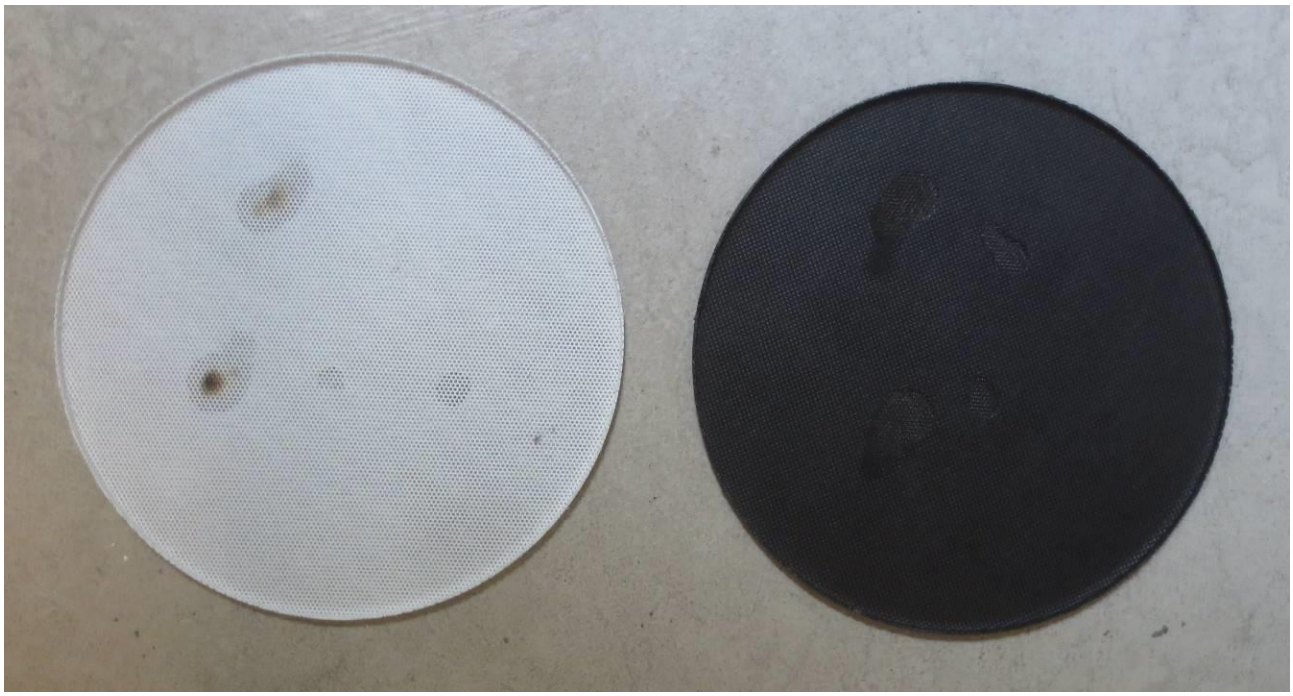


03 Test item before test, flame application points 07 to 08

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