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Hoch Fladungen

Test laboratory for the fire behavior of building materials, Dipl.-Ing. (FH) Andreas Hoch
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT
PZ-Hoch-180182-2

for the proof of Fire behaviour according to DIN 4102, part 1

Translation of the German test report – no guarantee for translation of technical terms

company	**Coulisse B.V.** Vonderweg 48 NL-7468 DC ENTER
description of samples	polyester fabric, coated with PVC in different colours and different area weights
name of the material	**„SCR-1003" „SCR-4001" „SCR-5001"** **„SCR-3001" „SCR-4003" „SCA5-LINEN"** **„SCR-3003" „SCR-4005" „SCR3-SATINE"** **„SCR-3005" „SCR-4010" „SCR5-ASSET"** **„SCR-3010"**
sampling	by the company itself
content of request	Proof of flammability to classify building materials to class B1 "schwerentflammbar" according to DIN 4102, part 1
validity of test report	31.01.2023
result	**The examined products meet** • **in any colour** • **with an area weight of 372 g/m² until 636 g/m²** **the requirements of class B1 for "schwerentflammbare" (hardly flammable) building materials according to DIN 4102, part 1 (May 1998) , suspended freely or with distance of >40 mm to same or other plain materials.**

This test report includes 7 pages and 13 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 9, Ziffer1, there is no need for a general building supervisory test report.
This test report is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17, Abs. 3).
This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws in the meaning of state building prescriptions. This has to be verified by:

- "allgemeine bauaufsichtliche Zulassung" (general building inspectorate approval) or by
- „allgemeines bauaufsichtliches Prüfzeugnis" (general building inspectorate certificate) or by
- "Zustimmung im Einzelfall" (exceptional approval)

This test report can underlie building supervisory procedures

- for regular building products for the prescribed proofs of conformity
- for non regular building products for the needed proofs of applicability.

This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

1. Description of test material in condition as delivered

PN 26971: **"SCR-4001" colour: white**
-fabric consisting of polyester (30%), coated with PVC (70%)-
There is no difference between side A and side B.
characteristic values determined by the test laboratory:
area weight: about 636 g/m² thickness: about 0,93 mm

PN 26972: **"SCR-4001" colour: beige**
as PN 26971, however in beige
characteristic values determined by the test laboratory:
area weight: about 616 g/m² thickness: about 0,85 mm

PN 26973: **"SCR-4001" colour: black**
as PN 26971, however in black
characteristic values determined by the test laboratory:
area weight: about 632 g/m² thickness: about 0,93 mm

PN 26974: **"SCR-5001" colour: white**
-fabric consisting of polyester (24%), coated with PVC (76%)-
There is no difference between side A and side B.
characteristic values determined by the test laboratory:
area weight: about 619 g/m² thickness: about 0,89 mm

PN 26975: **"SCR-5001" colour: grey**
as PN 26974, however in grey
characteristic values determined by the test laboratory:
area weight: about 612 g/m² thickness: about 0,89 mm

PN 26976: **"SCR-5001" colour: black**
as PN 26974, however in black
characteristic values determined by the test laboratory:
area weight: about 617 g/m² thickness: about 0,93 mm

PN 26970: **"SCR-3010" colour: black**
-fabric consisting of polyester (30%), coated with PVC (70%)-
There is no difference between side A and side B.
characteristic values determined by the test laboratory:
area weight: about 372 g/m² thickness: about 0,58 mm

The testing laboratory is not provided with further details concerning composition of the tested building materials. Samples are deposited.

2. Preparation of samples

The samples were kept in climate chamber 23/50 until they reached constant weight.

3. Arrangement of samples

mounting: freely suspended

#9950	flaming side A in warp direction	PN 26973	SCR-4001
#9951	flaming side B in weft direction	PN 26973	SCR-4001
#9954	flaming side B in weft direction	PN 26971	SCR-4001
#9955	flaming side B in weft direction	PN 26972	SCR-4001
#9957	flaming side B in weft direction	PN 26970	SCR-3010
#9948	flaming side A in warp direction	PN 26974	SCR-5001
#9949	flaming side B in weft direction	PN 26974	SCR-5001
#9952	flaming side A in warp direction	PN 26975	SCR-5001
#9953	flaming side A in warp direction	PN 26976	SCR-5001

4. Date of test

CW 08 in 2018

5.1 Results (part 1)

The test has been examined according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#9950	#9951	#9954	#9955	#9957	
	flamed direction flamed side	warp A	weft B	weft B	weft B	weft B	
	fabric	SCR-4001				SCR-3010	
	colour of fabric	black		white	beige	black	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	1	
2	Maximum flame height above bottom edge of the specimen	60	50	50	50	50	cm
3	Time [1]	0:12	0:19	0:16	0:15	0:10	min:s
4	Burn through / melting Time [1]	0:07	0:12	0:08	0:09	0:05	min:s
	Observations on the back side of the specimen						
	Flames / Glowing	---	---	---	---	---	
5	Time [1]	./.	./.	./.	./.	./.	min:s
	Change of color	./.	./.	./.	./.	./.	
6	Time [1]	./.	./.	./.	./.	./.	min:s
	Falling of burning droplets	./.	./.	./.	./.	./.	
7	Start [1]	./.	./.	./.	./.	./.	min:s
	Extent						
8	sporatic falling of burning droplets [2]	./.	./.	./.	./.	./.	
9	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	min:s
	Falling of burning droplets	./.	./.	./.	./.	./.	
10	Start [1]						min:s
	Extent	./.	./.	./.	./.	./.	
11	sporatic falling of burning droplets [2]						
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	
13	Afterflame time at the bottom of the sieve (max.)	./.	./.	./.	./.	./.	min:s

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	**#9950**	**#9951**	**#9954**	**#9955**	**#9957**	
	flamed direction flamed side	warp A	weft B	weft B	weft B	weft B	
14	Impairment of the burner by dropping or falling material: Time [1]	./.	./.	./.	./.	./.	min:s
15	Premature end of test Final occurance of burning at the specimen [1]	./.	./.	./.	./.	./.	min:s
16	Time of eventually end of test [1]	./.	./.	./.	./.	./.	min:s
17	Afterflame after end of test Time [1]	./.	./.	./.	./.	./.	min:s
18	Number of specimen	./.	./.	./.	./.	./.	
19	Front side of specimen [2]	./.	./.	./.	./.	./.	
20	Back side of specimen [2]	./.	./.	./.	./.	./.	
21	flame length	./.	./.	./.	./.	./.	cm
22	Afterglow after end of test Time [1]	./.	./.	./.	./.	./.	min:s
23	Number of specimen	./.	./.	./.	./.	./.	
	Place of appearance	./.	./.	./.	./.	./.	
24	Lower half of the specimen [2]	./.	./.	./.	./.	./.	
25	Upper half of the specimen [2]	./.	./.	./.	./.	./.	
26	Front side of specimen [2]	./.	./.	./.	./.	./.	
27	Back side of specimen [2]	./.	./.	./.	./.	./.	
28	Density of smoke ≤ 400 % * min	22	20	20	19	9	% * min
29	> 400 % * min [4]	./.	./.	./.	./.	./.	% * min
30	Diagram: encl. no.	1	2	3	4	5	
31	Residual lengths: individual value [3] Specimen 1	62	60	65	65	68	cm
	Specimen 2	61	60	64	66	68	cm
	Specimen 3	61	61	62	64	68	cm
	Specimen 4	63	58	63	64	68	cm
32	Average value, individual test [3]	**62**	**60**	**64**	**65**	**68**	
33	Photo of specimen in enclosure no.	1	2	3	4	5	
34	Flue gas temperature	109	110	112	107	113	°C
35	Maximum of average value Time [1]	09:33	10:00	10:00	09:45	09:33	min:s
36	Diagram: encl. no.	1	2	3	4	5	
37	Remarks: - none -						

[1] indication of times: from the begin of testing procedure [2] checked off if applicable
[3] indication of carrier/foam layer separated in case of fire-proofing agents
[4] very strong development of smoke

5.2 Results (part 2)

The test has been examined according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#9948	#9949	#9952	#9953	---	
	flamed direction flamed side	warp A	weft B	warp A	warp A	---	
	fabric	SCR-5001				---	
	colour of fabric	white		grey	black		
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	---	
2	Maximum flame height above bottom edge of the specimen	60	60	50	50	---	cm
3	Time [1]	0:15	0:09	0:13	0:14	---	min:s
4	Burn through / melting Time [1]	0:07	0:12	0:09	0:13	---	min:s
	Observations on the back side of the specimen						
	Flames / Glowing	---	---	---	---	---	
5	Time [1]	./.	./.	./.	./.	./.	min:s
	Change of color	./.	./.	./.	./.	./.	
6	Time [1]	./.	./.	./.	./.	./.	min:s
	Falling of burning droplets	X	./.	./.	./.	./.	
7	Start [1]	0:38	./.	./.	./.	./.	min:s
	Extent						
8	sporatic falling of burning droplets [2]	X	./.	./.	./.	./.	
9	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	min:s
	Falling of burning droplets	./.	./.	./.	./.	./.	
10	Start [1]						min:s
	Extent	./.	./.	./.	./.	./.	
11	sporatic falling of burning droplets [2]						
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	
13	Afterflame time at the bottom of the sieve (max.)	0:04	./.	./.	./.	./.	min:s
14	Impairment of the burner by dropping or falling material: Time [1]	./.	./.	./.	./.	./.	min:s
15	Premature end of test Final occurance of burning at the specimen [1]	./.	./.	./.	./.	./.	min:s
16	Time of eventually end of test [1]	./.	./.	./.	./.	./.	min:s
	Afterflame after end of test						
17	Time [1]	./.	./.	./.	./.	./.	min:s
18	Number of specimen	./.	./.	./.	./.	./.	
19	Front side of specimen [2]	./.	./.	./.	./.	./.	
20	Back side of specimen [2]	./.	./.	./.	./.	./.	
21	flame length	./.	./.	./.	./.	./.	cm

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	**#9948**	**#9949**	**#9952**	**#9953**	**---**	
	flamed direction flamed side	warp A	weft B	warp A	warp A	---	
	Afterglow after end of test	./.	./.	./.	./.	./.	
22	Time [1]	./.	./.	./.	./.	./.	min:s
23	Number of specimen	./.	./.	./.	./.	./.	
	Place of appearance	./.	./.	./.	./.	./.	
24	Lower half of the specimen [2]	./.	./.	./.	./.	./.	
25	Upper half of the specimen [2]	./.	./.	./.	./.	./.	
26	Front side of specimen [2]	./.	./.	./.	./.	./.	
27	Back side of specimen [2]	./.	./.	./.	./.	./.	
	Density of smoke						
28	≤ 400 % * min	27	30	36	36	---	% * min
29	> 400 % * min [4]	./.	./.	./.	./.	./.	% * min
30	Diagram: encl. no.	6	7	8	9	---	
	Residual lengths: individual value [3]						
31	Specimen 1	62	63	68	64	---	cm
	Specimen 2	64	63	64	61	---	cm
	Specimen 3	64	64	66	63	---	cm
	Specimen 4	57	63	62	59	---	cm
32	Average value, individual test [3]	**62**	**63**	**65**	**62**	**---**	
33	Photo of specimen in enclosure no.	6	7	8	9	---	
34	Flue gas temperature	108	110	111	110	---	°C
35	Maximum of average value Time [1]	09:57	09:48	09:45	09:57	---	min:s
36	Diagram: encl. no.	6	7	8	9	---	
37	Remarks: - none -						

[1] indication of times: from the begin of testing procedure [2] checked off if applicable
[3] indication of carrier/foam layer separated in case of fire-proofing agents
[4] very strong development of smoke

6. Explanations concerning the testing procedure

There were no additional tests proceeded because of the residual length of ≥ than 45 cm.

7. Summary of results and additional establishments to Fire Behaviour

line no.	measurement / test-no.	Result with the tested specimen #9950	#9951	#9954	#9955	#9957	dimension
	flamed direction / flamed side	warp A	weft B	weft B	weft B	weft B	
	fabric	SCR-4001				SCR-3010	
	colour of fabric	black		white	beige	black	
1	residual length	62	60	64	65	68	cm
2	max. smoke temperature	109	110	112	107	113	°C
3	density of smoke - integral	22	20	20	19	9	%min

line no.	measurement / test-no.	Result with the tested specimen #9948	#9949	#9952	#9953	---	dimension
	flamed direction / flamed side	warp A	weft B	warp A	warp A	---	
	fabric	SCR-5001				---	
	colour of fabric	white		grey	black	---	
1	residual length	62	63	65	62	---	cm
2	max. smoke temperature	108	110	111	110	---	°C
3	density of smoke - integral	27	30	36	36	---	%min

According to DIN 4102, part 1, "schwerentflammbare" (hardly flammable) building materials must meet the requirements of class B2. Pursuant to additional tests in the ignitability apparatus this can be determined (appendix 10-13).

8. Special remarks

- This report is only valid for the material as described under paragraph 1. In combination with other materials or with additional coatings or grounds etc. the burning behaviour may differ.
- This test report is not valid for the exposure to outdoor climate conditions, washing or cleaning with chemicals.
- This test report is not valid, as soon as the fabric is used as a building product in the sense of the "Landesbauordnungen" (state building requirements, MBO § 17, par. 3).
- This test report is no substitute for a General Building Inspectorate Certificate.
- This test report is granted without prejudice to the rights of third parties, im particular private proprietary rights.
- For legal interests only the German original version is relevant.
- In General Building Inspectorates procedures this test report can be based for
  - regular building materials for the required proof of accordance
  - for not regular building materials for the required proof of applicability

9. Validity

This test report is valid until the mentioned date on page 1. The test report becomes invalid in case the standards on which the tests are based are changed.

Fladungen, 07.03.2018

clerk in charge:

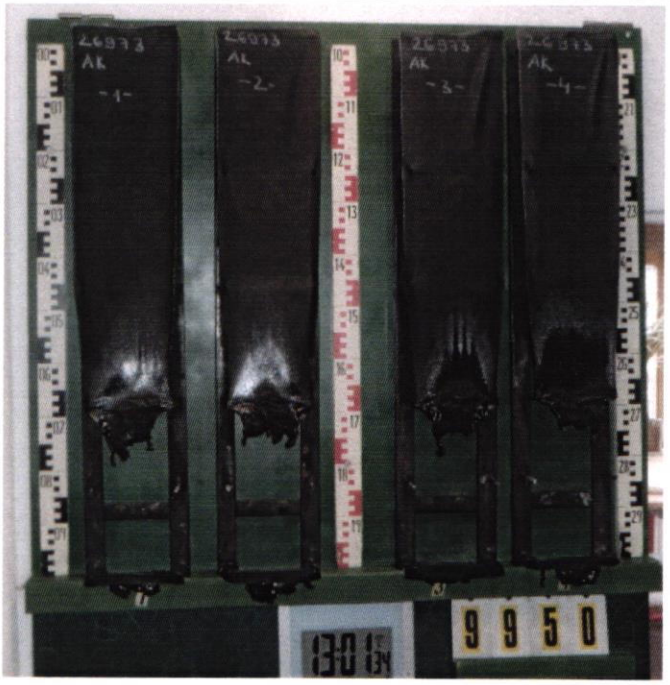
(Dipl.-Ing.(FH) Jürgen Hammer)

Hoch Fladungen

Head of the test laboratory:

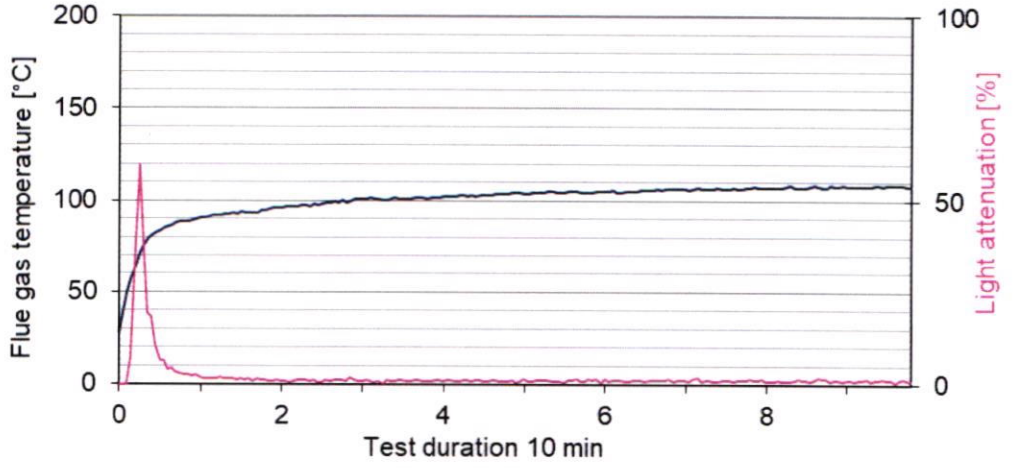
(Dipl.-Ing.(FH) Andreas Hoch)

„Brandschacht“-test #9950

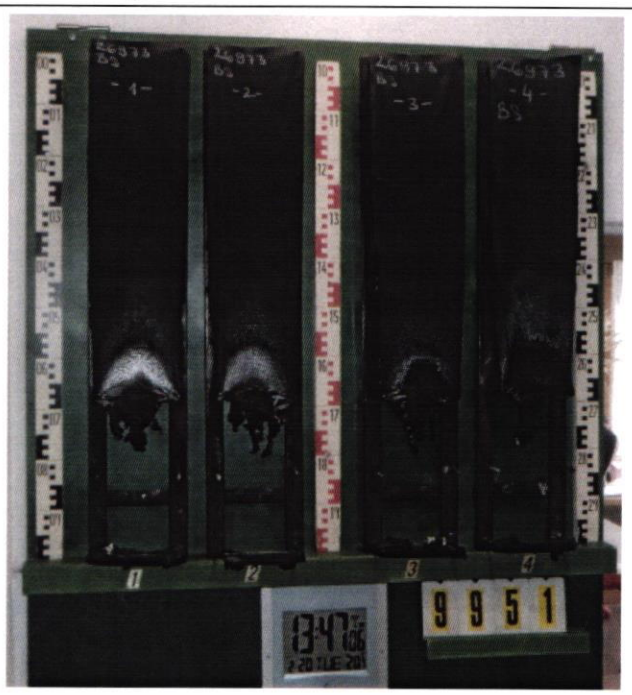


measurement

#9950, PN26973: COULISSE, "SCR-4001", A+K
Max. flue temperature: 109°C, Smoke density integral: 22%min
Residual length: 62 cm

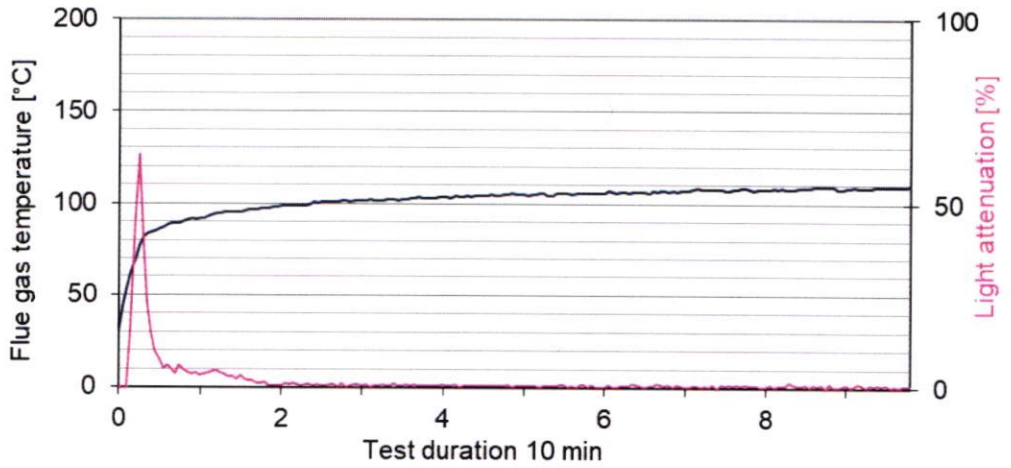


„Brandschacht“-test #9951

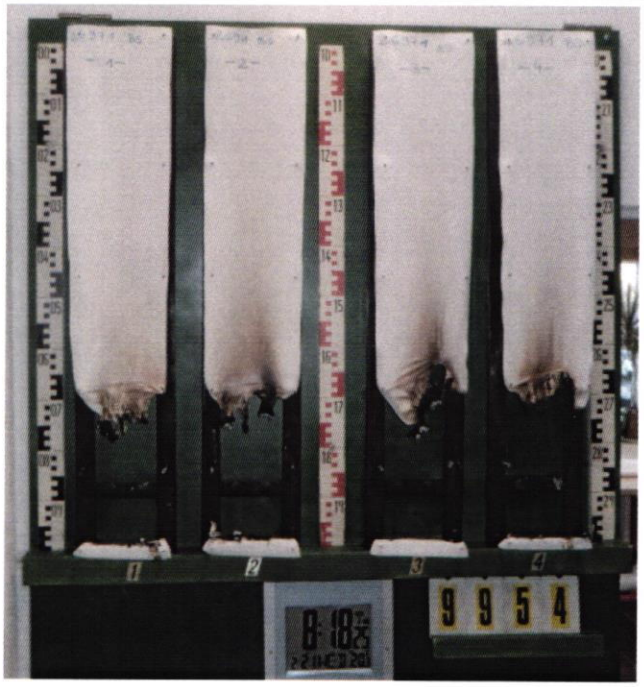


measurement

#9951, PN26973: COULISSE, "SCR-4001", B+S
Max. flue temperature: 110°C, Smoke density integral: 20%min
Residual length: 60 cm

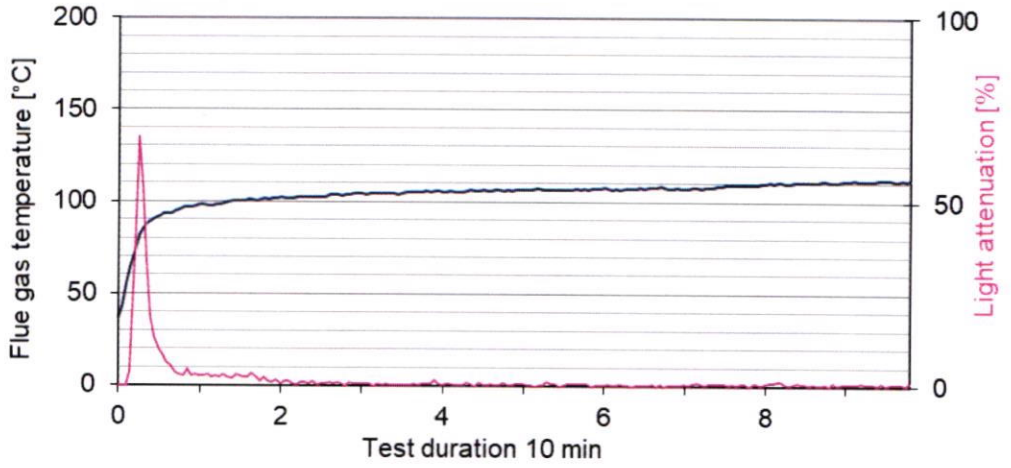


„Brandschacht"-test #9954

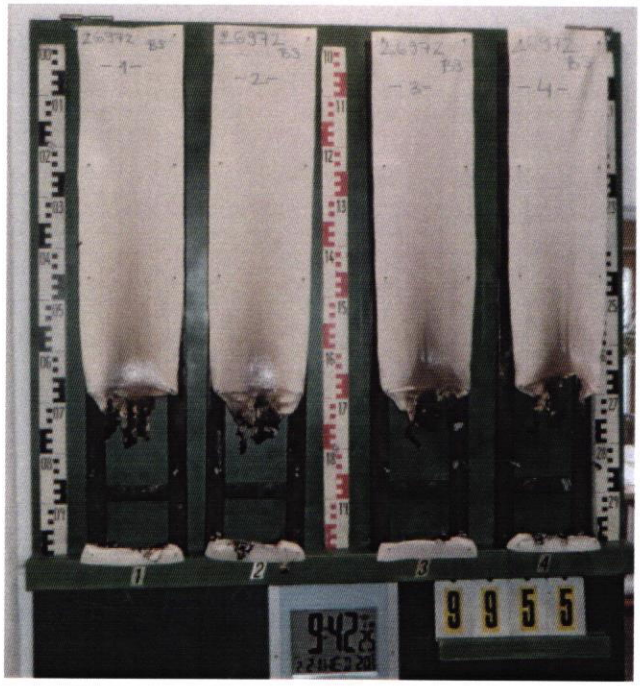


measurement

#9954, PN26971: COULISSE, "SCR-4001", B+S
Max. flue temperature: 112°C, Smoke density integral: 20%min
Residual length: 64 cm

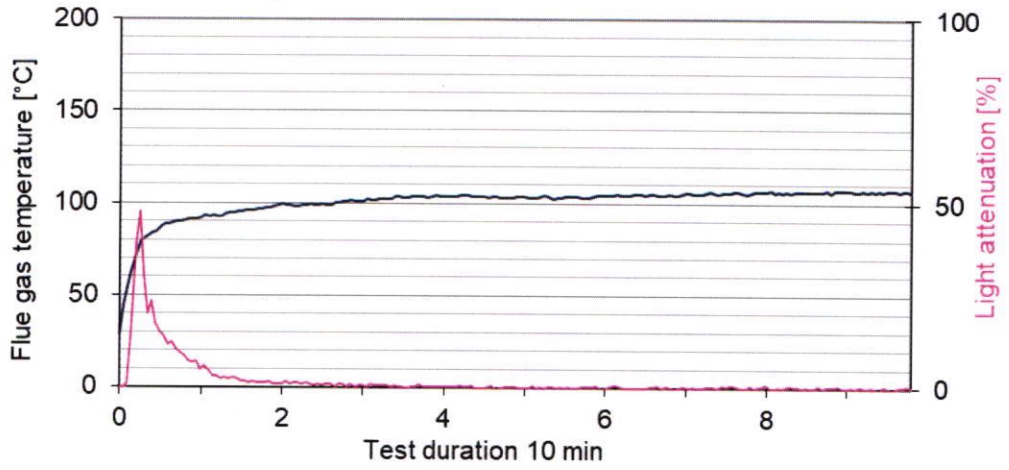


„Brandschacht"-test #9955

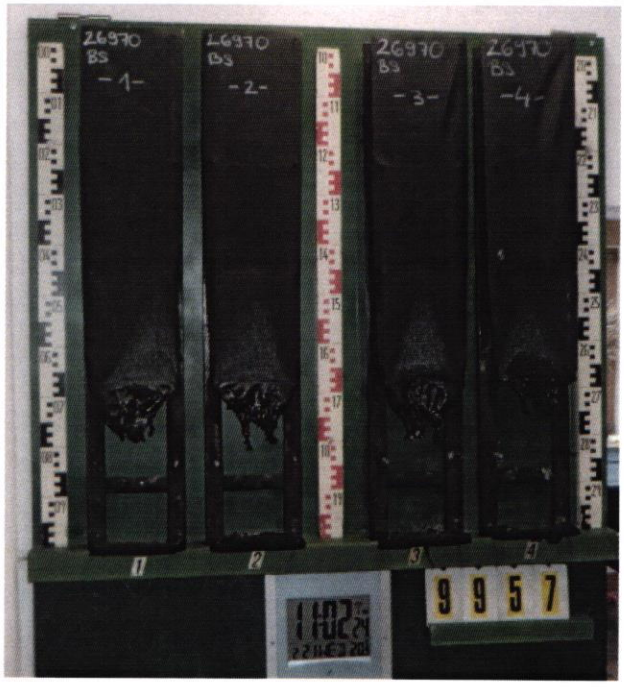


measurement

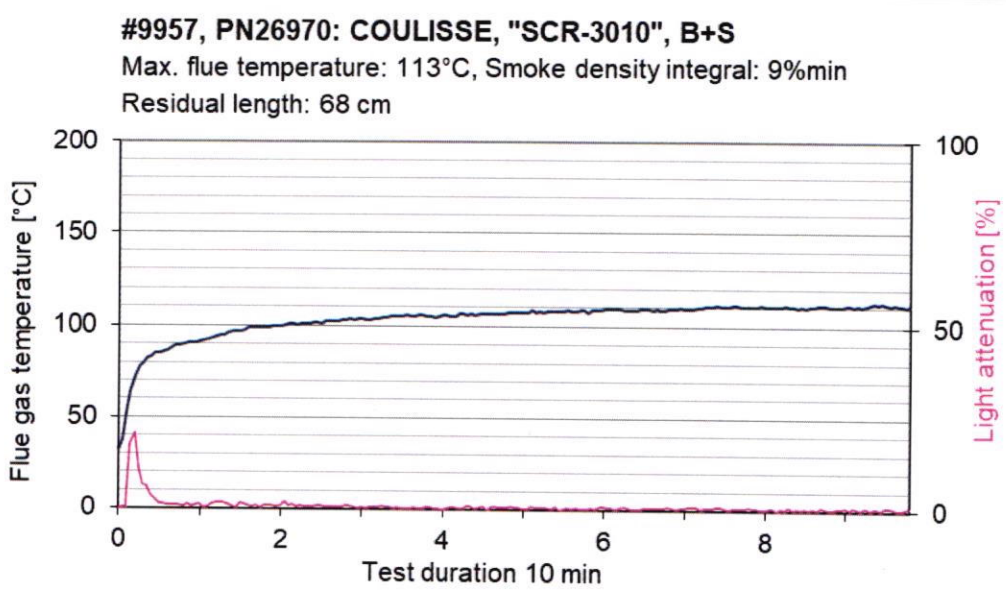
#9955, PN26972: COULISSE, "SCR-4001", B+S
Max. flue temperature: 107°C, Smoke density integral: 19%min
Residual length: 65 cm



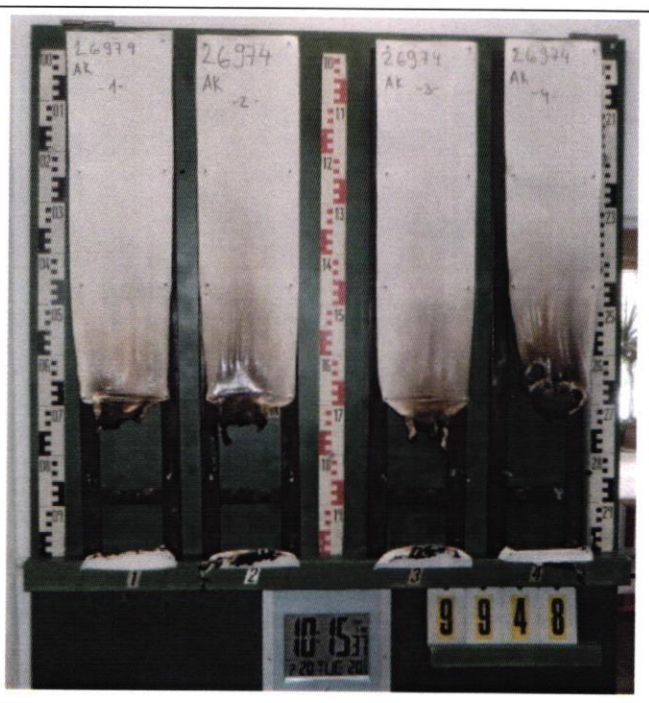
„Brandschacht"-test #9957



measurement

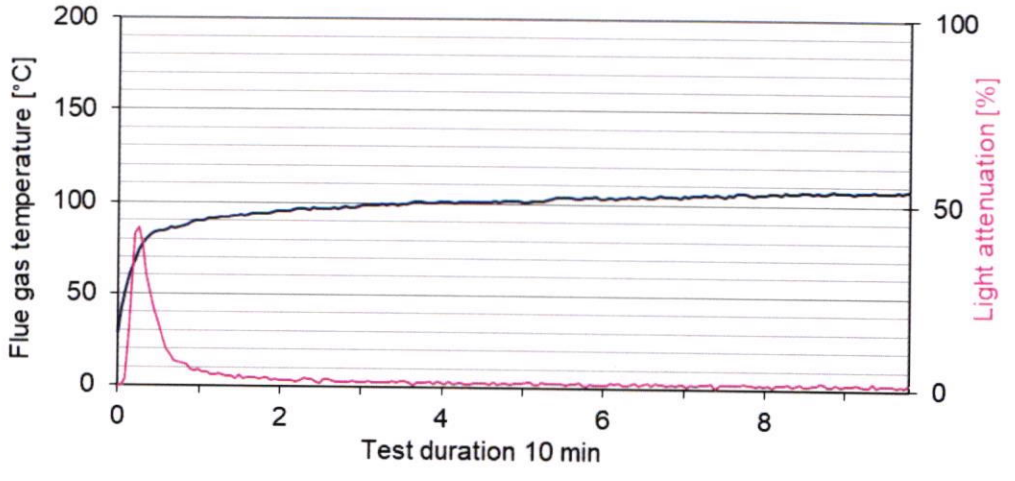


„Brandschacht“-test #9948

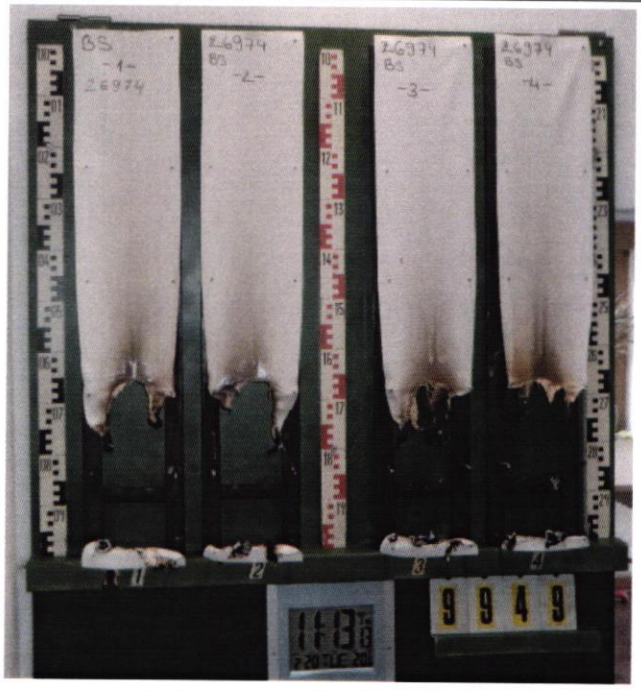


measurement

#9948, PN26974: COULISSE, "SCR-5001", A+K
Max. flue temperature: 108°C, Smoke density integral: 27%min
Residual length: 62 cm

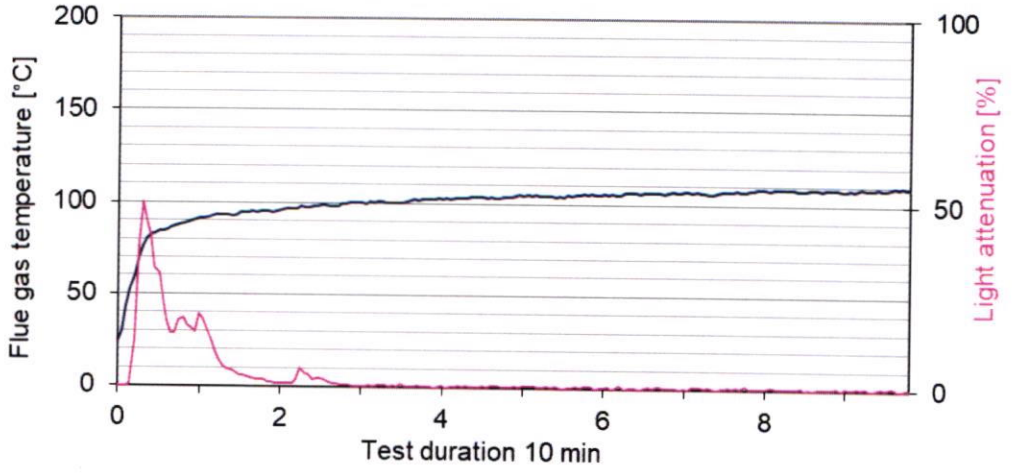


„Brandschacht"-test #9949



measurement

#9949, PN26974: COULISSE, "SCR-5001", B+S
Max. flue temperature: 110°C, Smoke density integral: 30%min
Residual length: 63 cm



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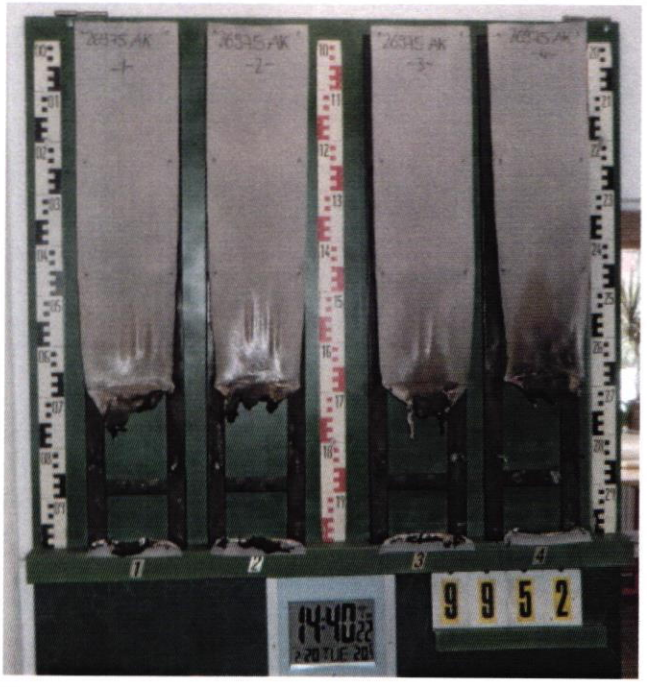
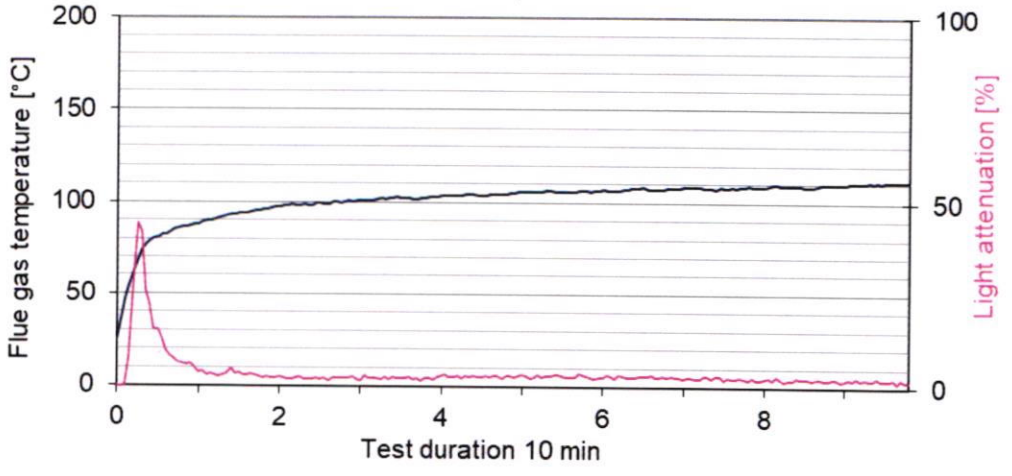


measurement

#9952, PN26975: COULISSE, "SCR-5001", A+K

Max. flue temperature: 111°C, Smoke density integral: 36%min

Residual length: 65 cm



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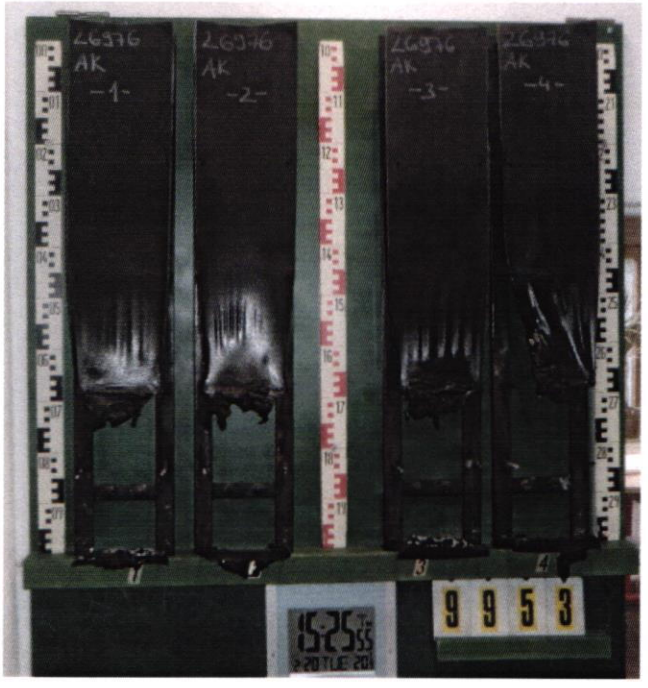
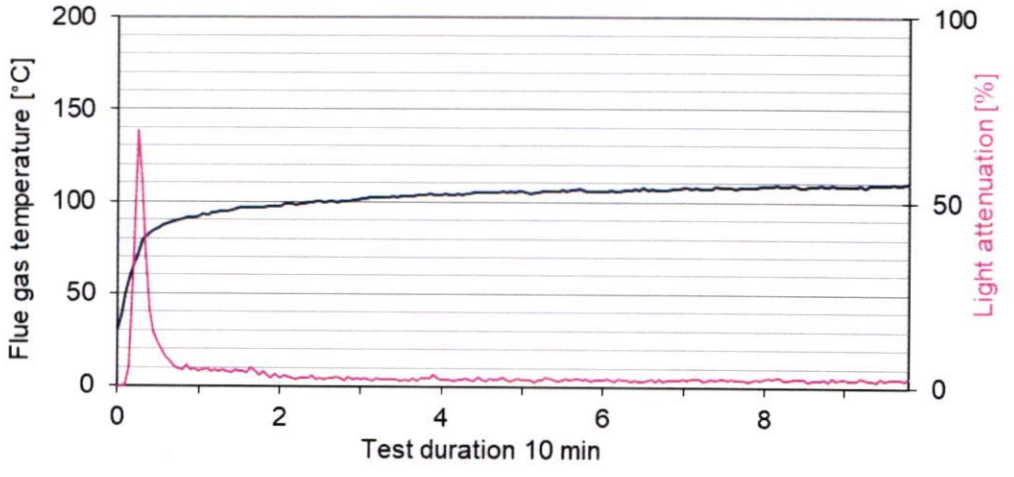


measurement

#9953, PN26976: COULISSE, "SCR-5001", A+K
Max. flue temperature: 110°C, Smoke density integral: 36%min
Residual length: 62 cm



Hoch
Fladungen

Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Test for normal flammability
classifying B2 according to DIN 4102

1. Description of test material in condition as delivered look at page 2
2. Preparation of samples

   Out of the material there have been cut samples for the ignitability apparatus.
   The samples were kept in a climate 23/50 until they reached constant weight.
3. Arrangement of samples -freely suspended-

   Flaming in warp and in weft direction / side A and side B
4. Date of test CW 08 in 2018
5. Results

PN 26971: flaming side A in warp direction	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	1	--	2	--	--	--	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
max. flame height	10	10	9	10	9	--	4	--	--	--	--	--	cm
time	15	15	15	15	15	--	15	--	--	--	--	--	
self cessation of the flames end of afterflame[1)]	15	16	15	15	15	--	15	--	--	--	--	--	s
end of glowing[1)]	36	30	31	29	36	--	./.	--	--	--	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	
smoke development (visual)	heavy						heavy						./.
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	./.	--	-/-	--	--	--	--	--	s
Appearance after test: burned out till max. height 9 cm x width 4 cm													

PN 26971: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	--	--	--	2	2	2	--	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
max. flame height	9	9	9	--	--	--	4	4	4	--	--	--	cm
time	15	15	15	--	--	--	15	15	15	--	--	--	
self cessation of the flames end of afterflame[1)]	16	15	16	--	--	--	15	15	15	--	--	--	s
end of glowing[1)]	32	35	28	--	--	--	./.	./.	./.	--	--	--	s
flames were extinguished after[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
smoke development (visual)	heavy						heavy						
dropping of burning material during 20 s[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 9cm x width 4cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

PN 26972: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	10	9	9	9	--	--	4	4	4	4	--	--	cm
time	15	15	15	15	--	--	15	15	15	15	--	--	
self cessation of the flames end of afterflame[1)]	15	15	15	15	--	--	15	15	15	15	--	--	s
end of glowing[1)]	34	28	26	27	--	--	./.	./.	./.	./.	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	heavy						heavy						
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
Appearance after test: burned out till max. height 9cm x width 4cm													

PN 26973: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	8	8	9	9	--	--	5	5	5	5	--	--	cm
time	15	15	15	15	--	--	15	15	15	15	--	--	
self cessation of the flames end of afterflame[1)]	15	15	15	15	--	--	15	15	15	15	--	--	s
end of glowing[1)]	19	18	25	30	--	--	./.	./.	./.	./.	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	heavy						heavy						
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
Appearance after test: burned out till max. height 8cm x width 4cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

PN 26974:side A in warp direction	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	1	--	2	--	--	--	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
max. flame height	8	8	7	8	9	--	5	--	--	--	--	--	cm
time	15	12	12	15	15	--	15	--	--	--	--	--	
self cessation of the flames end of afterflame[1)]	15	15	15	15	15	--	15	--	--	--	--	--	s
end of glowing[1)]	19	26	25	24	20	--	./.	--	--	--	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	
smoke development (visual)	heavy						heavy						./.
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
Appearance after test: burned out till max. height 10 cm x width 3 cm													

PN 26974: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	--	--	--	2	2	2	--	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
max. flame height	8	8	7	--	--	--	5	5	5	--	--	--	cm
time	15	15	15	--	--	--	15	15	15	--	--	--	
self cessation of the flames end of afterflame[1)]	15	15	15	--	--	--	15	15	15	--	--	--	s
end of glowing[1)]	20	26	20	--	--	--	./.	./.	./.	--	--	--	s
flames were extinguished after[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
smoke development (visual)	heavy						heavy						
dropping of burning material during 20 s[1)]	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 10cm x width 3cm													

PN 26975: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	7	7	8	8	--	--	6	4	5	5	--	--	cm
time	10	11	13	13	--	--	15	15	15	15	--	--	
self cessation of the flames end of afterflame[1)]	14	15	15	15	--	--	15	15	15	15	--	--	s
end of glowing[1)]	./.	27	29	21	--	--	./.	./.	./.	./.	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	moderate						moderate						
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
Appearance after test: burned out till max. height 8cm x width 3cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

PN 26976: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	7	7	6	7	--	--	5	4	4	6	--	--	cm
time	11	11	15	15	--	--	12	15	15	15	--	--	
self cessation of the flames end of afterflame[1)]	15	15	15	15	--	--	15	15	15	15	--	--	s
end of glowing[1)]	30	24	21	./.	--	--	./.	./.	./.	./.	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	moderate						moderate						
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
Appearance after test: burned out till max. height 9cm x width 3cm													

PN 26970: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	7	6	8	8	--	--	8	6	8	7	--	--	cm
time	7	7	15	13	--	--	15	15	15	15	--	--	
self cessation of the flames end of afterflame[1)]	15	15	15	13	--	--	15	15	15	15	--	--	s
end of glowing[1)]	23	29	36	27	--	--	17	./.	27	21	--	--	s
flames were extinguished after[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	heavy						heavy						
dropping of burning material during 20 s[1)]	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
Appearance after test: burned out till max. height 8cm x width 3,5cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

6. Remarks and explanations to the testing procedure - none –

7. Opinion concerning the dropping of burning material
The test for normal flammability shows no burning dripping material.