

TEST REPORT

NON-LOADBEARING WALL

Name of sponsor:	ERIKarkitekter A/S		
Product name:	Non loadbearing wall		
File no.:	PGA12220A	Revision no.:	0
Test date:	10-08-2023	Date:	2023-09-15
Pages:	9	Encl.:	32
Ref:	RKP / JBK		

Client information

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Denmark

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1 Date of test

The test was conducted on 10-08-2023.

2 Purpose of test

Examination of the fire-resistance of one non-loadbearing wall.

The test specimen has been subjected to a standard fire test in accordance with the following standards:

DS/EN 1363-1:2020 Fire resistance tests – General requirements

in conjunction with

EN 1364-1:2015 Fire resistance tests for non-loadbearing elements Part 1: Walls

3 Test specimen

The trade name and sponsors identification mark is stated below:

Trade name: Cirkulær skillevæg (CSV)

Identification mark: None.

The components for the test specimen were delivered and mounted by the sponsor.

4 Drawings and description

Details of the construction are shown in the enclosed documentation as stated below:

Type	Drawing No.	Dated	Subject
Drawing	K01_H5_NO1	07-07-2023	Opstalt / 3D
Drawing	K01_H5_NO2	07-07-2023	Snit Skørt, Snit CSV, Tilslutning testramme
Drawing	K01_H5_NO3	07-07-2023	VÆGMODUL, Præfabrikation
Drawing	K01_H5_NO4	07-07-2023	KOMPONENTER, Præfabrikation
Drawing	K01_H5_NO5	07-07-2023	SAMLING, in-situ

The documentation is supplied by the sponsor and it is stamped by DBI - Danish Institute of Fire and Security Technology

Description

The test specimen consisted of the components described in the following. DBI inspected the components during mounting, the test and after the test.

The sponsor carried out the selection of the products for the test specimen as well as the mounting.

Test specimen

External measures:	Height: 3000 mm	Width: 2950 mm	Thickness: 120 mm
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The test specimen was a non-loadbearing wall construction consisting of 2 wall systems. The wall systems consist of a prefabricated system of 2 x 12.5 mm gypsum plasterboards mounted to a special steel profile with a tongue and groove system connected to plywood and gypsum profile.

The top of the wall was constructed with 2x 12.5 mm gypsum plasterboards build on to a fixed steel framework.

The fixed wall (top part)	The fixed wall consists of 2 x 12,5 mm gypsum boards mounted on each side of a steel framework.
Top and bottom rails:	The top and bottom rails consisted of 1,5x70x2930 mm (thickness x depth x length) U-profile. The top rail is mounted to the testing frame. There is placed a 70x12,5x2930 mm (width x thickness x length) gypsum board to the back of the bottom U-profile that is connected to the prefabricated wall. See photo 1-3 and drawing drawing K01_H5_NO2
Studs:	A total of 7 C-profiles of 70mm with a flange thickness of 1,0 mm were used as the steel frame wall studs, all 457,5 mm tall. The studs were spaced c/c 450 mm.
Gypsum boards:	Two layers of gypsum plaster boards designated Gyproc GNE 13 normal Ergo with a nominal surface weight of 9,0 kg/m ² were used. The boards were 900 x 470 x 12,5 mm (width x height x thickness). Mounted on the steel framework with staggered joints.
Fastening:	Both layer of gypsum boards was fastened to the steel framework with screws designated: Basixx plaster screw for steel w/bore 3.5x41mm loose, c/c 200mm. The screws were countersunk.

Prefabricated wall module (bottom part). The prefabricated wall module is made to be mounted together as a tongue and groove system. See photo 6 -9 and drawing K01_H5_NO5.

Top and bottom rails: Reinforcement rail 70 mm material thickness 1.25 mm with 58 mm high flanges. The bottom rail is placed on a Gyproc GNE 13 R Normal Ergo – plasterboard, 12,5 which is fastened to the bottom of the test frame. The top rail is placed on a Gyproc GNE 13 R Normal Ergo – plasterboard, 12,5 which is fastened to the fixed wall.

Components for prefabricated wall module Studs: Special studs' profiles 60x45 mm (width x height), with a flange thickness of 1,25 of galvanized steel designated CSV specialprofile. Corrosion class c2, Length 2400mm. The CSV 60x45x1,25 special profiles formed with a 10° slope are pre-mounted to the 2 x 12,5 Gyproc GNE 13 R Normal Ergo – plasterboard 12,5 straight edges with a nominal density of 9,0 kg/m², fastened with plasterboard screws Designated: Eurotec 48631314 Vingeborskruue Wing-reks fzb T25. Flush, placed 45 mm from wall modules edge and with c/c 200 mm. See drawing K01_H5_NO3. The CSV profiles are made to fit the prefabricated joints.

Joints: The joints used were made from rigid plywood, with gypsum board designated Gyproc GEF 15 protect with a nominal surface weight of 12,70 kg/m² 15,5 x 80 x 2400mm (thickness x width x height) are mounted on the back of the plywood. The plywood is cut with an angle of 10.0 ° fitter for the CSV-profile. See drawing K01_H5_NO4 See photo 6-9 and drawing K01_H5_NO5.

Fastening: The prefabricated wall is locked together using the tongue and groove system and then fastened to the fixed wall and the bottom profile using Eurotec 48631314 Vingeborskruue Wing-teks fzb T25. 90 mm from the prefab walls' vertical edges, with a c/c of 200mm See drawing K01_H5_NO1 & K01_H5_NO5

Measured by DBI

Product		Gyproc GNE 13 R Ergo	Gyproc, GFE 15 Protect	Krydsfinér
Density	kg/m ³	732	829	312
Thickness	mm	12.5	15.5	11.7
Moisture content	%	0.66	0.72	7.25
Sampling method		Extra material	Extra material	Extra material
Drying temperature	°C	55	55	105

5 Test conditions

Conditioning

The test specimen was delivered on the 07-08-2023 to the DBI laboratory and stored under room temperature. On the day of the fire testing the condition of the test specimen was similar with respect to its moisture content as the test specimen would be in normal service.

Mounting

The test specimen was mounted in a concrete lined test frame with a clear opening of 3000 x 3000 mm.

A free edge was established along the left vertical edge of the test specimen as seen from the unexposed side. The free edge was made by 2 x 25 mm stone wool with alu-foil.

Fire test

Observations were made during the test on the general behavior of the test specimen.

Temperature observations were taken continually during the entire testing time.

The surface temperatures were measured on the unexposed surface of the test specimen as indicated on DBI drawing no. 1.0.

The furnace temperature was determined by means of plate thermocouples uniformly distributed at a distance of approximately 100 mm from the exposed side of the test specimen. The furnace temperature was continuously controlled so as to follow the standard time temperature curve within the accuracy specified in EN 1363-1:2020.

The thermocouples were constructed according to the description in EN 1363-1:2020.

The furnace pressure was controlled at a level of 20 Pa at the top of the test specimen during the test.

6 Test results

Duration of the test was 72 minutes.

Measurements

The enclosed graphs and tables show:

Enclosures 2.0 and 2.1	Furnace temperatures The actual minimum-, average- and maximum furnace temperature in relation to the standard temperature. The table also shows the area under the actual time-temperature curve as well as the area under the standard time-temperature curve
Enclosures 3.0 and 3.1	Vertical furnace pressure The differential pressure in the furnace during the test, measured 1,16 m above notional floor level.
Enclosures 4.0 and 4.1	Ambient temperature The ambient temperature in the laboratory during the test
Enclosures 5.0 and 5.1	Average temperature rise Measured with 5 thermocouples.

Enclosures 6.0 and 6.1	Maximum temperature rise Maximum temperature rise on the unexposed side
Enclosures 7.0 and 7.1	Horizontal deformation Negative values indicate movement towards the furnace.

Visual observations:

Time / Minutes	Visual observations:	U = Unexposed side E = Exposed side
0	Test commences	
1	Heavy smoke from top of specimen and between the soffit and the prefabricated wall.	U
2	Smoke mostly stopped, only faint smoke from top of specimen.	U
6	Smoke starting up again from between the soffit and the prefabricated wall	U
7	Slight smoke from between specimen and concrete frame.	U
15	No change	U
20	Slight increase of smoke	U
21	Gypsum boards starting to crack	E
23	Size of cracks increased	E
30	No place to do cotton pad test.	U
38	Size of cracks increased	E
44	Cotton pad test near TC3: Nothing.	U
45	Gypsum in prefab crevasse near TC 2,3 starting to darken.	U
47	Gypsum boards fell	E
49	Increase of smoke	U
53	Cotton pad test at TC 2,5: Nothing to observe	U
56	Burning sounds	U
57	Cotton pad test at TC 2,5: Nothing to observe	U
59	Cotton pad test at joints between soffit and prefabricated wall left and right side: Nothing to observe	U
65	Cotton pad test at TC 2,5: heavy charring but no flame or embers	U
67	Cotton pad test at TC 2,5: heavy charring but no flame or embers	U
68	Cotton pad test at TC 2,5: heavy charring but no flame or embers	U
70	Cotton pad test at TC 2,5: heavy charring but no flame or embers	U
71	Smoke from side, top and joints of specimen.	U
72	Cotton pad test at TC 2,5: Ignition - heavy charring and embers	U
75	Test stopped	

The photographs on the attached photo sheets show the test specimen during the mounting, testing and after the test. See the description at each photo.

7 Conclusion

Fire resistance testing according to EN 1364-1:2015 of the construction described in this test report showed that failure according to the performance criteria stated in the test method occurred at the following time:

Integrity (E): **72 minutes**

- Sustained flaming did not occur during the test.
- The cotton pad was ignited in the 72nd minute during the test.
- No through-going openings in the test specimen were created during the test.

Insulation (I): **72 minutes**

- Failure of insulation occurred after 72 minutes of testing due to failure of integrity.
- The average temperature rise on the unexposed surface of the test specimen did not exceed 140 ° C during the test.
- The maximum average temperature during the test was 62°C.
- The maximum temperature rise on the unexposed surface of the test specimen did not exceed 180°C during the test.
- The maximum temperature rise during the test was 138°C.

8 Remarks

The field of direct application of the test results appears from EN 1364-1:2015, clause 13.

This report details the method of construction, the test conditions and the results obtained when the specific element of construction described herein was tested following the procedure outlined in EN 1363-1:2020, and where appropriate EN 1363-2:1999. Any significant deviation with respect to size, constructional details, loads, stresses, edge or end conditions other than those allowed under the field of direct application in the test method is not covered by this report.

Because of the nature of fire resistance testing and the consequent difficulty in quantifying the uncertainty of measurement of fire resistance, it is not possible to provide a stated degree of accuracy of the result.

This report has only been printed in a pdf-version. DBI has not issued a hard copy version.

All values mentioned in this report are nominal values, production tolerances are not considered.



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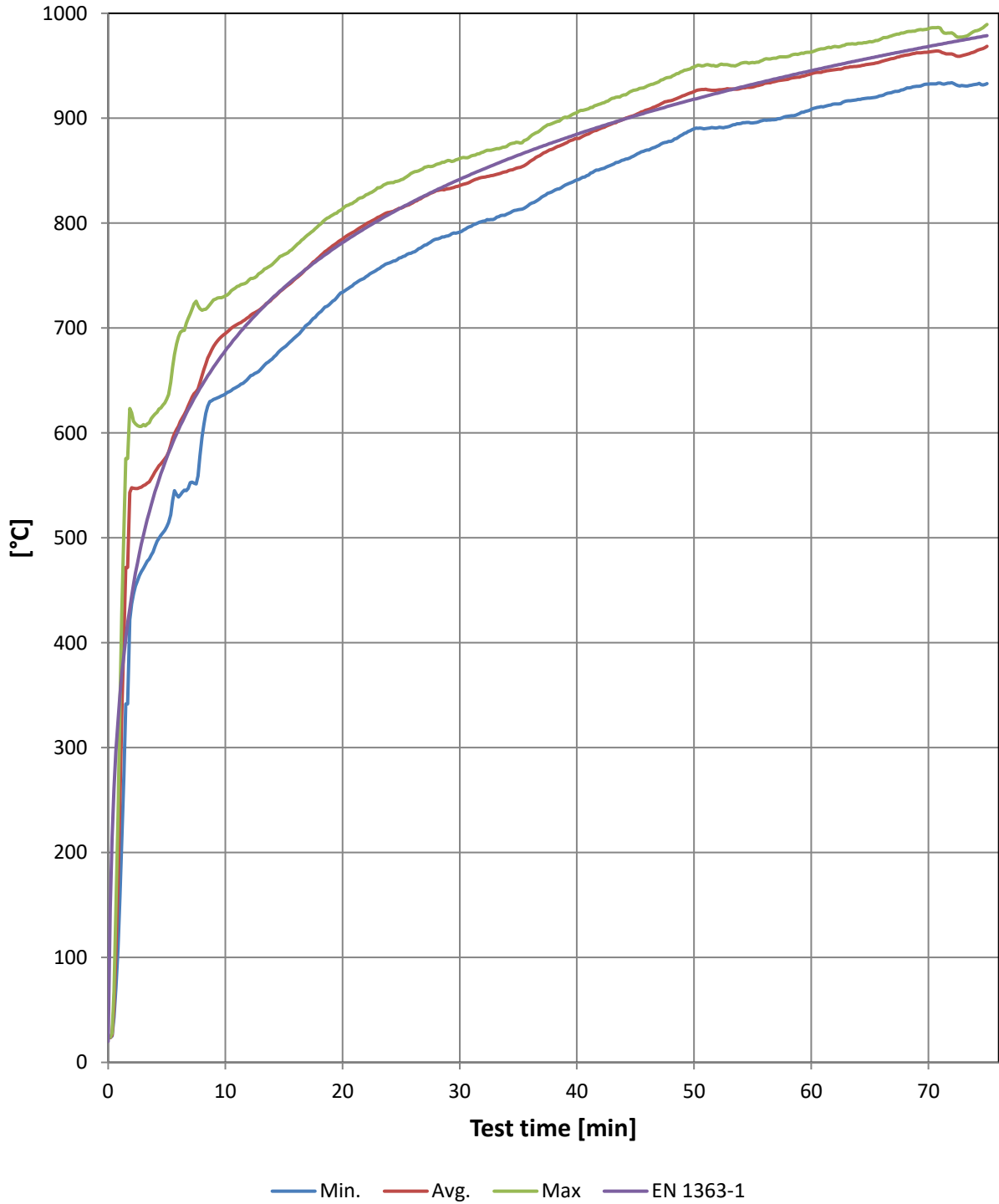
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Enclosures:

DBI drawings:	1
DBI graphs and tables:	12
Photo sheets:	14
Sponsors drawings:	5

Furnace temperature

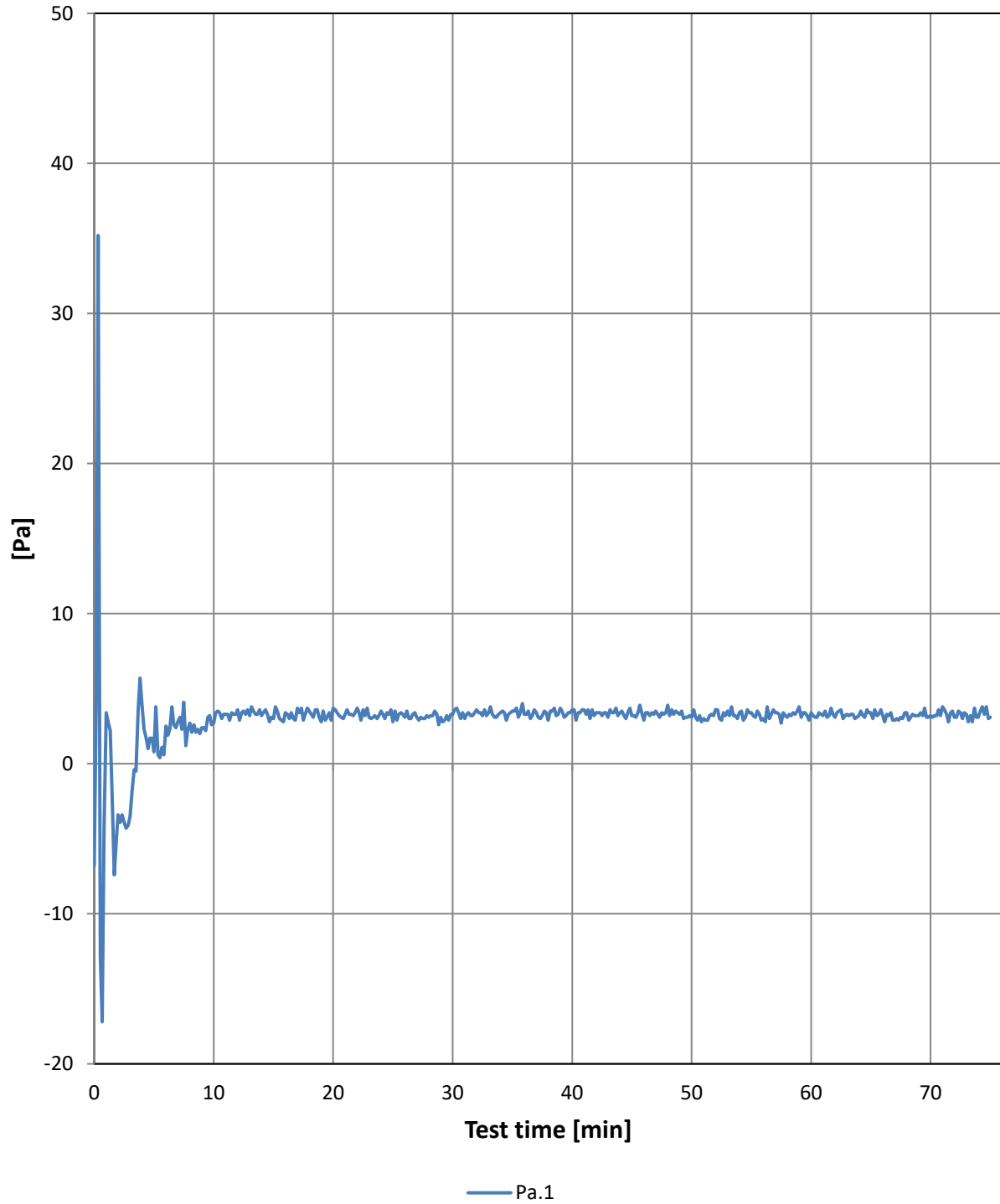


Furnace temperature

Time Minutes	Measured			Norm EN 1363-1	Area under curve		Dev. [%]	Limit [%]
	Minimum	Average	Maximum		Measured	EN 1363-1		
0	23	24	24	20	0	0	0.0	
3	471	550	608	502	1070	1115	-4.1	
6	539	606	692	603	2788	2790	-0.1	15
9	632	683	727	663	4717	4695	0.5	15
12	653	711	746	705	6813	6750	0.9	14
15	682	738	770	739	8983	8918	0.7	13
18	714	768	798	766	11240	11176	0.6	11
21	742	792	820	789	13582	13508	0.5	10
24	762	810	838	809	15988	15904	0.5	8
27	779	826	853	826	18440	18357	0.5	7
30	791	836	862	842	20934	20859	0.4	5
33	804	846	871	856	23459	23406	0.2	5
36	818	859	882	869	26012	25994	0.1	5
39	836	876	901	881	28617	28619	0.0	4
42	851	890	914	892	31266	31279	0.0	4
45	865	903	927	902	33957	33971	0.0	4
48	878	917	939	912	36688	36692	0.0	4
51	890	928	951	921	39457	39442	0.0	3
54	895	928	952	930	42239	42218	0.0	3
57	899	935	957	938	45033	45019	0.0	3
60	909	942	963	945	47849	47844	0.0	3
63	917	948	971	953	50685	50691	0.0	3
66	921	954	976	960	53537	53559	0.0	3
69	930	962	984	966	56413	56448	-0.1	3
72	934	961	982	973	59301	59356	-0.1	3
75	933	969	989	979	62188	62283	-0.2	3

Vertical furnace pressure

The differential pressure in the furnace during the test, measured 1,16 m above notional floor level



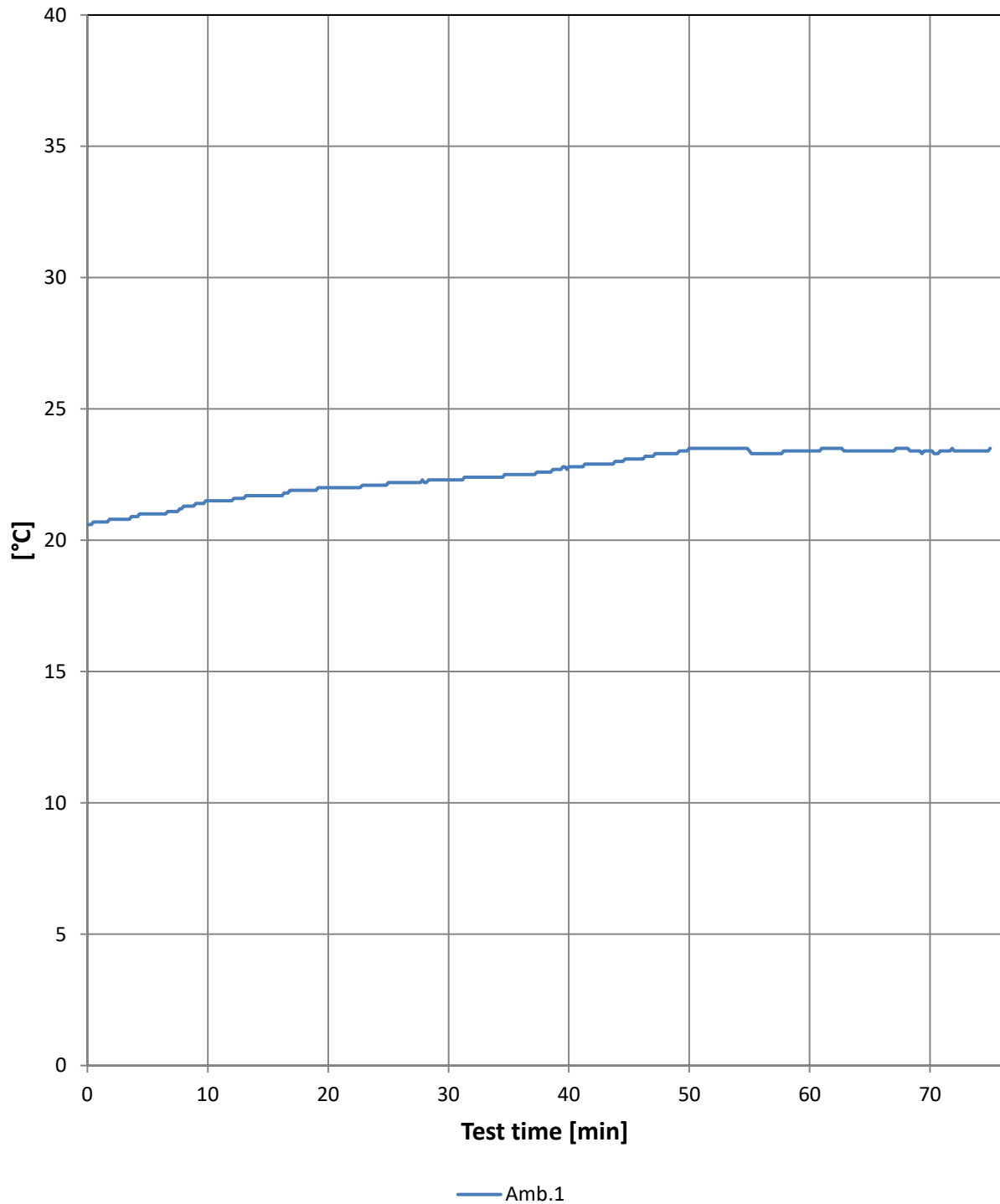
Vertical furnace pressure

The differential pressure in the furnace during the test, measured 1,16 m above notional floor level

Min. / Pa	Pa.1
0	-6.8
3	-3.5
6	2.5
9	2.4
12	3.6
15	3.0
18	3.5
21	3.3
24	3.5
27	3.1
30	3.3
33	3.4
36	3.3
39	3.7
42	3.4
45	3.2
48	3.9
51	3.0
54	3.4
57	3.4
60	3.4
63	3.3
66	3.2
69	3.2
72	3.1
75	3.1

Ambient temperature

The ambient temperature in the laboratory during the test



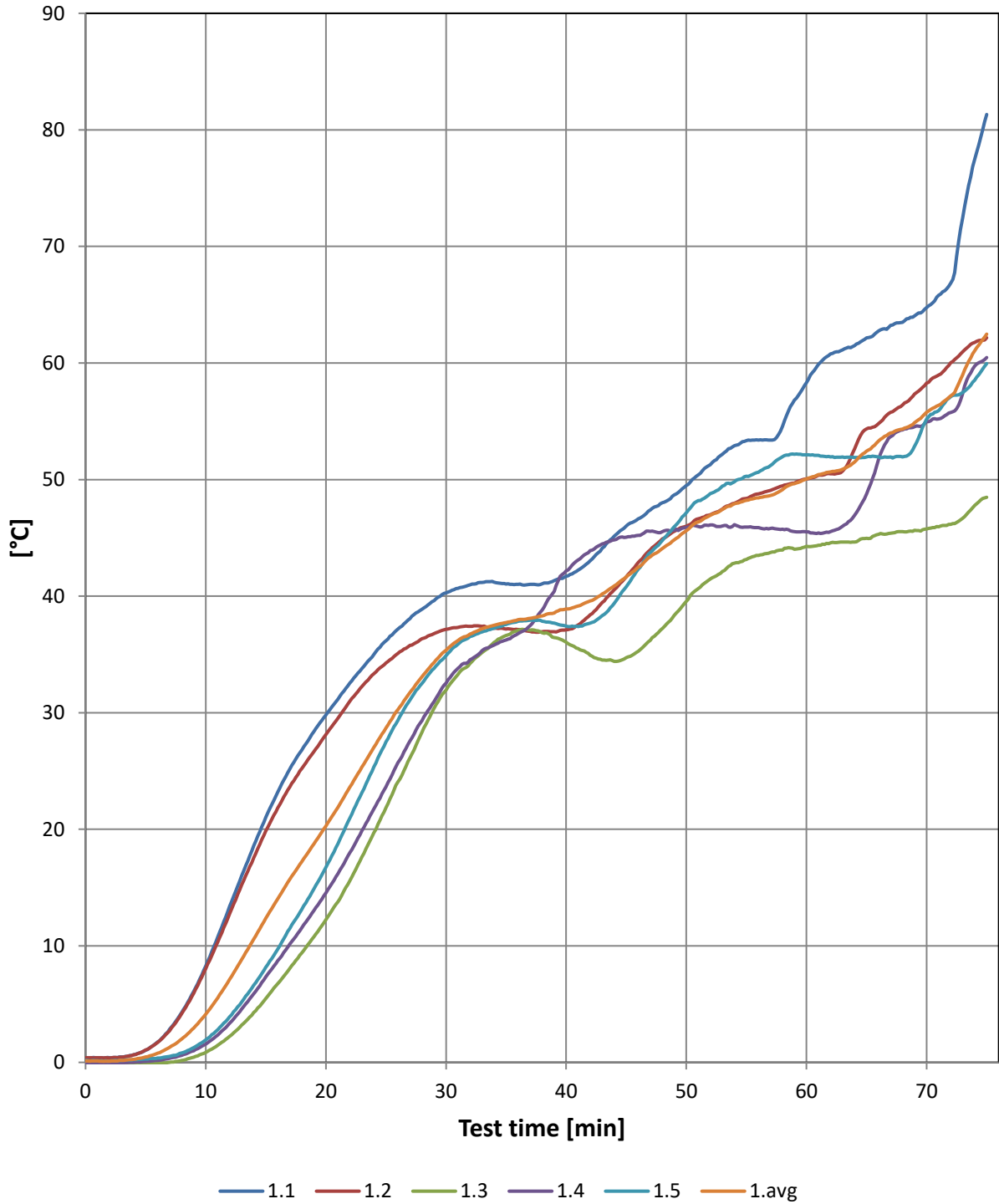
Ambient temperature

The ambient temperature in the laboratory during the test

Min. / °C	Amb.1
0	20.6
3	20.8
6	21.0
9	21.4
12	21.5
15	21.7
18	21.9
21	22.0
24	22.1
27	22.2
30	22.3
33	22.4
36	22.5
39	22.7
42	22.9
45	23.1
48	23.3
51	23.5
54	23.5
57	23.3
60	23.4
63	23.4
66	23.4
69	23.4
72	23.4
75	23.5

Average temperature rise

Measured with 5 thermocouples



Average temperature rise

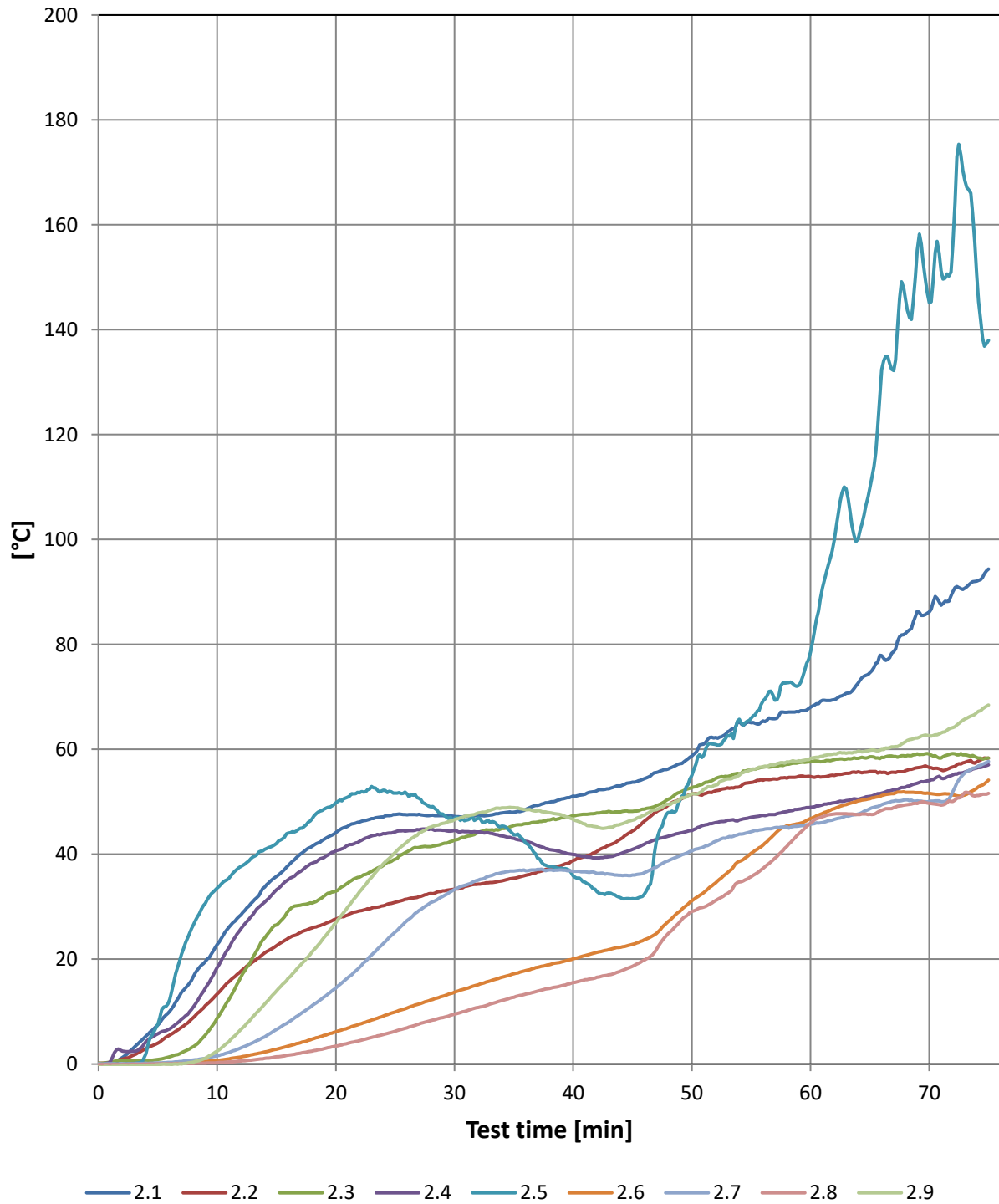
Measured with 5 thermocouples

Min. / °C	1.1	1.2	1.3	1.4	1.5	1.Avg	1.Max
0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
6	2	2	0	0	0	1	2
9	6	6	0	1	1	3	6
12	13	13	2	3	4	7	13
15	21	20	5	7	8	12	21
18	27	25	9	12	13	17	27
21	31	30	14	16	19	22	31
24	35	33	20	22	25	27	35
27	38	36	26	28	31	32	38
30	40	37	32	33	35	35	40
33	41	37	35	35	37	37	41
36	41	37	37	37	38	38	41
39	41	37	36	40	38	39	41
42	43	38	35	44	38	40	44
45	46	42	35	45	41	42	46
48	48	45	37	46	45	44	48
51	50	47	41	46	48	46	50
54	53	48	43	46	50	48	53
57	53	49	44	46	51	49	53
60	58	50	44	46	52	50	58
63	61	51	45	46	52	51	61
66	63	55	45	52	52	53	63
69	64	57	46	55	53	55	64
72	67	60	46	56	57	57	67
75	81	62	48	60	60	62	81

Failure [min]	-	-	-	-	-	-	-
Failure °C	180	180	180	180	180	140	180

Maximum temperature rise

Maximum temperature rise on the unexposed side



Maximum temperature rise

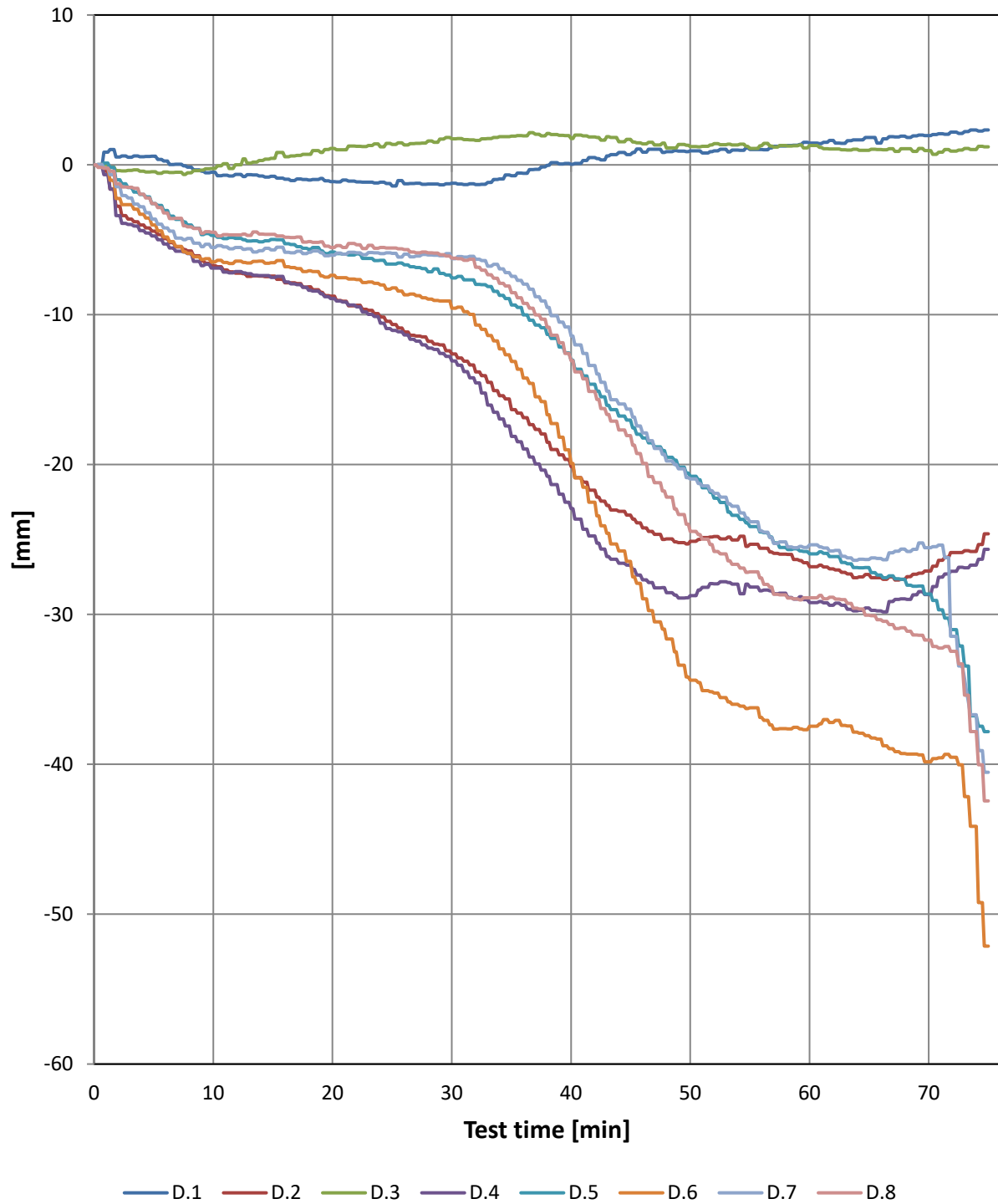
Maximum temperature rise on the unexposed side

Min. / °C	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.Max
0	0	0	0	0	0	0	0	0	-1	0
3	3	2	1	2	0	0	0	0	0	3
6	10	6	1	7	12	0	0	0	0	12
9	20	11	6	14	31	1	1	0	1	31
12	28	18	17	26	38	1	3	1	7	38
15	36	23	27	33	42	3	7	1	14	42
18	42	26	31	38	47	5	11	2	21	47
21	45	28	34	42	51	7	16	4	30	51
24	47	30	38	44	52	9	23	6	38	52
27	48	32	41	45	51	11	29	8	44	51
30	47	33	43	45	47	14	33	10	47	47
33	47	35	45	44	46	16	36	11	48	48
36	49	36	46	42	42	18	37	13	48	49
39	51	38	47	40	37	19	37	15	48	51
42	52	41	48	39	33	21	36	17	45	52
45	54	44	48	41	32	23	36	19	46	54
48	56	49	50	43	48	27	39	25	50	56
51	61	51	54	46	59	33	41	30	52	61
54	65	53	55	47	66	39	44	35	55	66
57	66	54	57	48	69	44	45	39	57	69
60	68	55	58	49	79	47	46	46	58	79
63	71	55	58	50	110	49	47	48	59	110
66	78	56	58	52	132	51	49	48	60	132
69	86	56	59	54	155	52	50	50	62	155
72	90	57	59	55	156	51	52	50	64	156
75	94	58	58	57	138	54	58	52	68	138

Failure [min]	-	-	-	-	-	-	-	-	-	-
Failure °C	180	180	180	180	180	180	180	180	180	180

Horizontal deformation

Negative values indicate movement towards the furnace



Horizontal deformation

Negative values indicate movement towards the furnace

Min. / mm	D.1	D.2	D.3	D.4	D.5	D.6	D.7	D.8
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.5	-3.6	-0.4	-4.0	-1.5	-2.7	-2.2	-1.5
6	0.3	-4.9	-0.5	-5.3	-3.1	-4.8	-4.2	-3.2
9	-0.4	-6.4	-0.4	-6.7	-4.7	-6.3	-5.5	-4.6
12	-0.6	-7.2	0.0	-7.1	-4.9	-6.4	-5.5	-4.7
15	-0.8	-7.4	0.4	-7.5	-5.0	-6.5	-5.7	-4.6
18	-1.0	-8.1	0.7	-8.4	-5.6	-7.1	-5.8	-5.1
21	-1.0	-9.1	1.0	-9.2	-6.0	-7.5	-6.0	-5.5
24	-1.2	-10.2	1.2	-10.6	-6.4	-8.0	-5.9	-5.5
27	-1.2	-11.4	1.4	-11.8	-6.9	-8.7	-6.1	-5.9
30	-1.2	-12.6	1.7	-13.1	-7.5	-9.6	-6.3	-6.2
33	-1.2	-14.5	1.8	-16.0	-8.1	-11.4	-6.8	-7.3
36	-0.6	-16.9	1.9	-19.0	-10.0	-14.2	-8.0	-9.2
39	0.1	-19.4	2.0	-22.0	-12.2	-18.2	-10.5	-11.9
42	0.5	-21.7	1.9	-24.8	-14.6	-22.5	-13.4	-15.1
45	0.7	-23.4	1.7	-26.7	-17.0	-26.5	-16.3	-18.1
48	0.9	-25.0	1.1	-28.6	-19.5	-31.6	-19.8	-22.2
51	0.8	-24.9	1.2	-28.2	-21.6	-35.1	-21.4	-25.0
54	1.0	-25.0	1.3	-28.0	-23.4	-36.0	-22.8	-26.7
57	1.2	-25.9	1.2	-28.6	-25.2	-37.7	-25.3	-28.7
60	1.5	-26.8	1.3	-29.2	-26.0	-37.5	-25.4	-28.9
63	1.4	-27.2	1.0	-29.4	-26.5	-37.4	-26.1	-29.0
66	1.5	-27.5	1.0	-29.8	-27.4	-38.3	-26.3	-30.4
69	1.9	-27.3	0.9	-28.7	-28.1	-39.3	-25.7	-31.4
72	2.2	-25.9	0.9	-27.1	-31.0	-39.5	-31.5	-32.5
75	2.3	-24.6	1.2	-25.7	-37.8	-52.1	-40.5	-42.4



Photo No. 1 Mounting of fixed steel framework, top of specimen.



Photo No. 2 Fixed steel framework panel frame mounted with gypsum on one side and bottom.



Photo No. 3 Fixed steel framework mounted with gypsum boards.



Photo No. 4 Bottom 70mm U-profile mounted to a calcium silicate boards and test frame.



Photo No. 5 Mounting of prefabricated wall against free edge.



Photo No. 6 Prefabricated tongue and groove system, seen from inside the wall.



Photo No. 7 Prefabricated tongue and groove system, seen from outside the wall, connected to the fixed wall system.



Photo No. 8 Prefabricated tongue and groove system, seen from inside the wall, connected to the fixed wall system.



Photo No. 9 Prefabricated tongue and groove system, seen from outside the wall. connected to the testing frame.



Photo No. 10 Test specimen completed, seen from exposed side.



Photo No. 11 Test specimen at beginning of test.



Photo No. 12 Test specimen after 15 minutes of testing.



Photo No. 13 Test specimen after 44 minutes of testing. First cotton pad test.



Photo No. 14 Test specimen after 53 minutes of testing. Second cotton pad test.



Photo No. 15 Test specimen after 57 minutes of testing. Third cotton pad test.



Photo No. 16 Test specimen after 59 minutes of testing. Fourth and fifth cotton pad test.



Photo No. 17 Test specimen after 64 minutes of testing.



Photo No. 18 Test specimen after 65 minutes of testing. Sixth cotton pad test.



Photo No. 19 Heavy charring but no flame or embers. Cotton pad six.

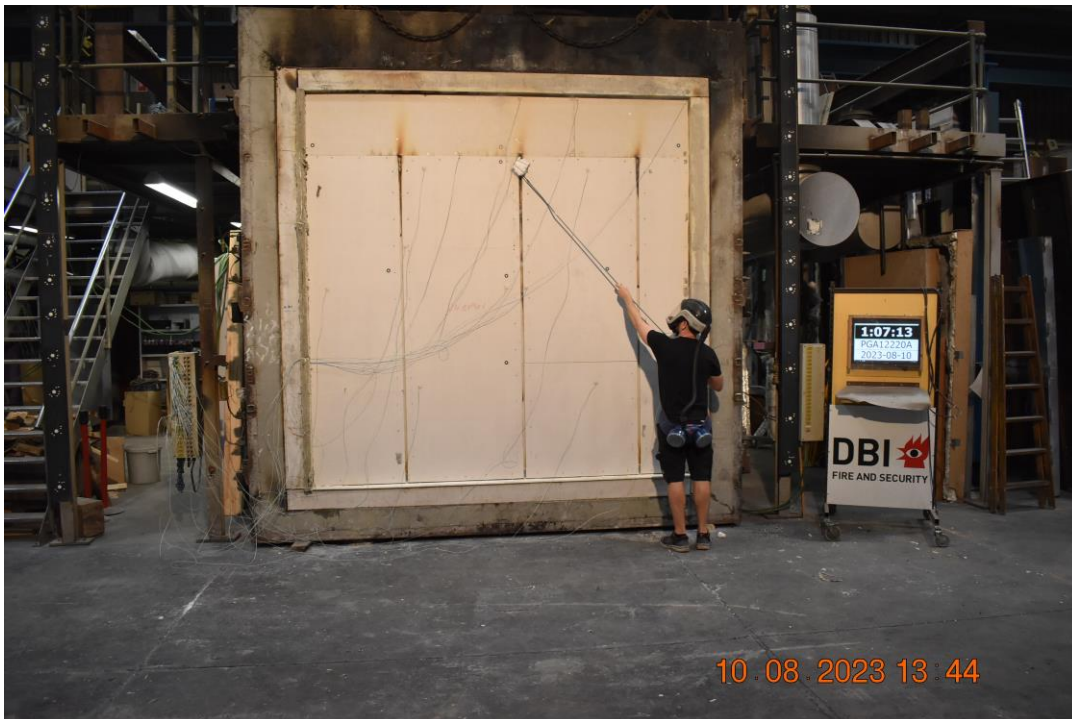


Photo No. 20 Test specimen after 67 minutes of testing. Seventh cotton pad test.



Photo No. 21 Heavy charring but no flame or embers. Seventh cotton pad test.

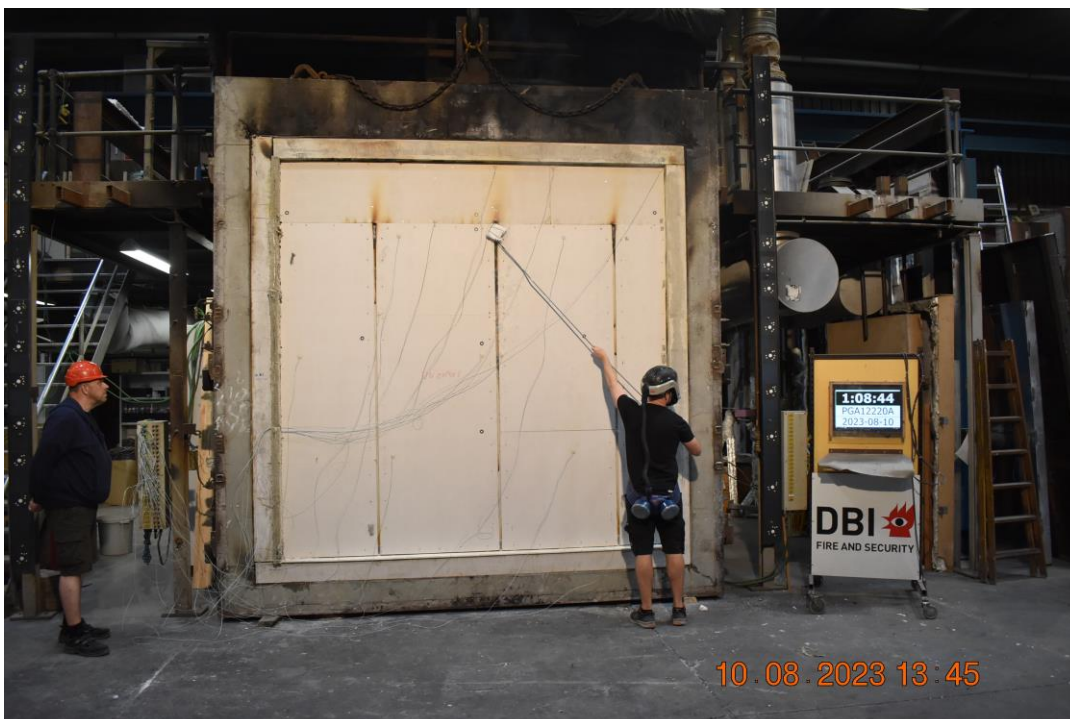


Photo No. 22 Test specimen after 68 minutes of testing. Eight cotton pad test.



Photo No. 23 Heavy charring but no flame or embers. Eight cotton pad test.

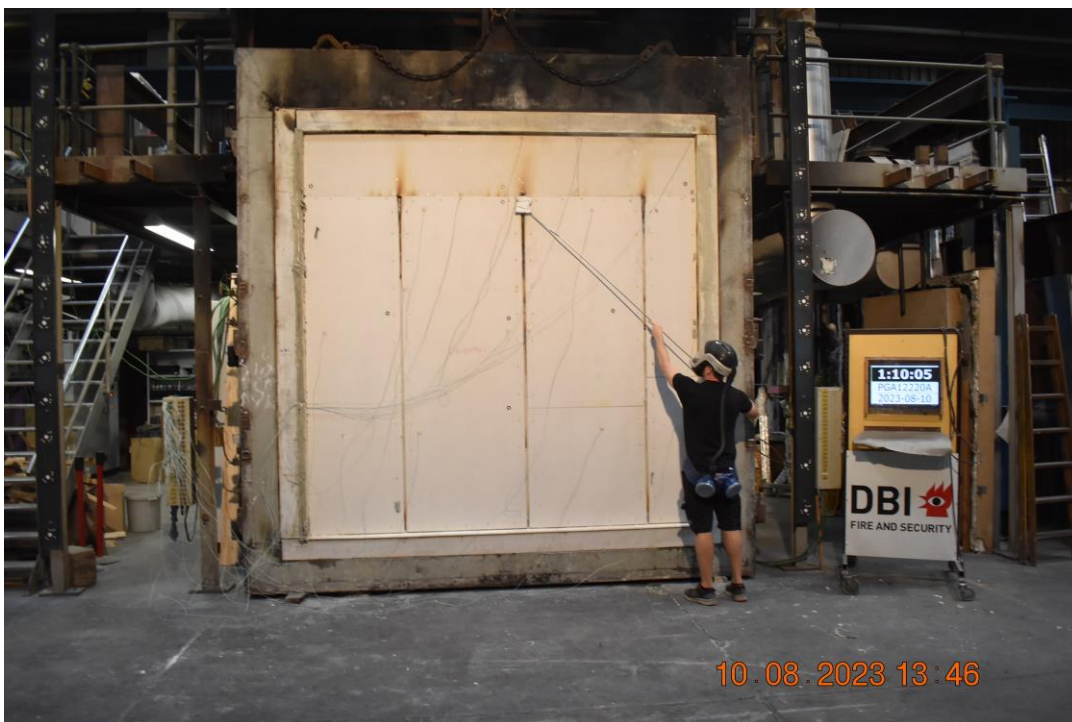


Photo No. 24 Test specimen after 70 minutes of testing. Ninth cotton pad test.

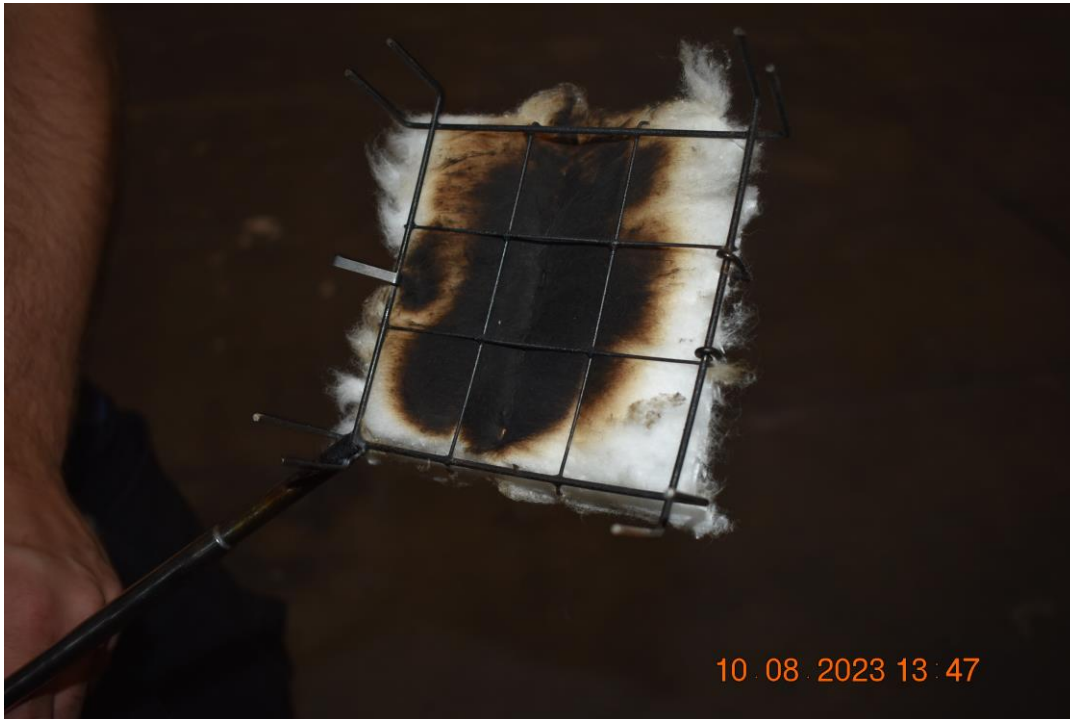


Photo No. 25 Heavy charring but no flame or embers. Ninth cotton pad test.



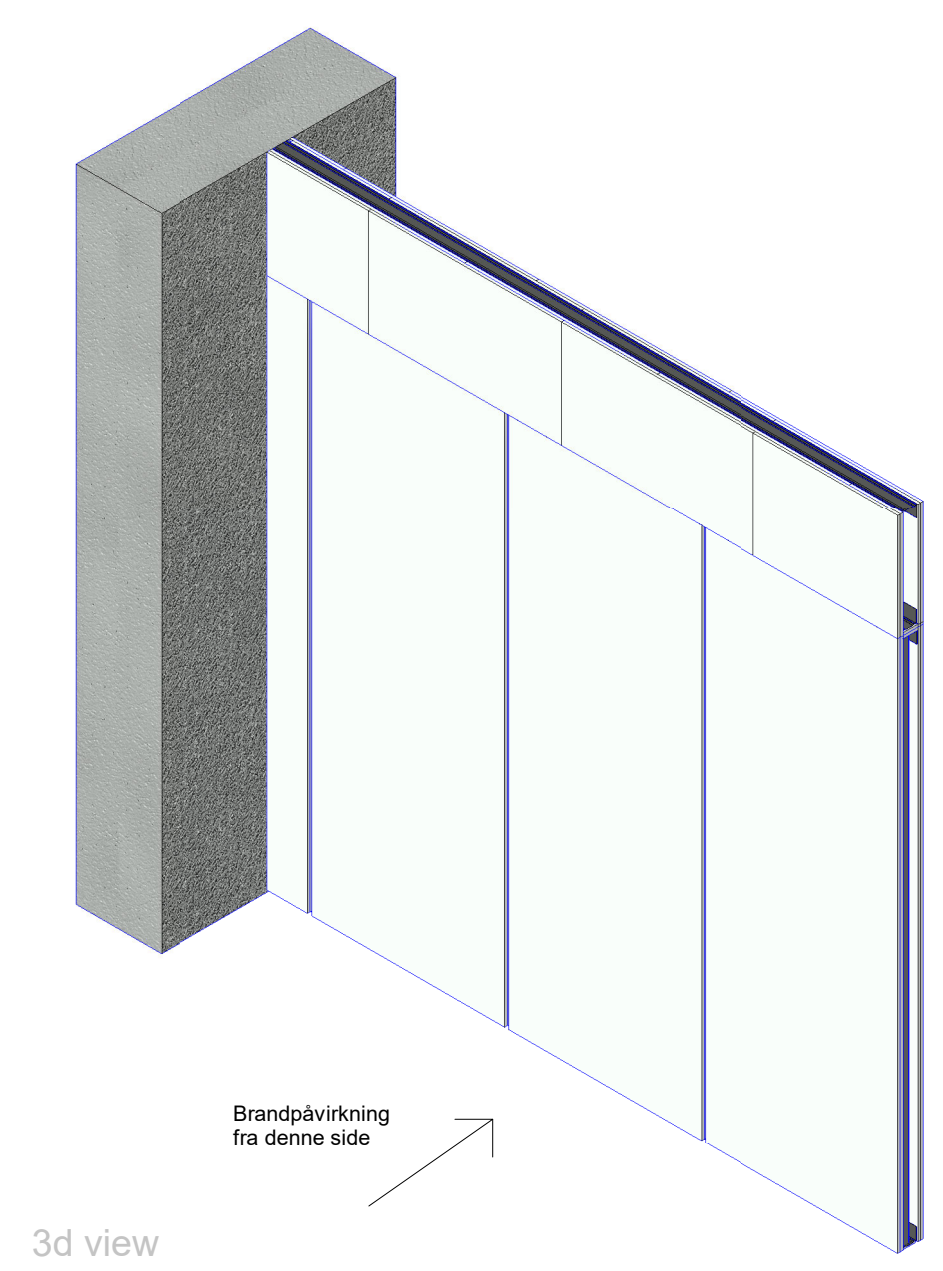
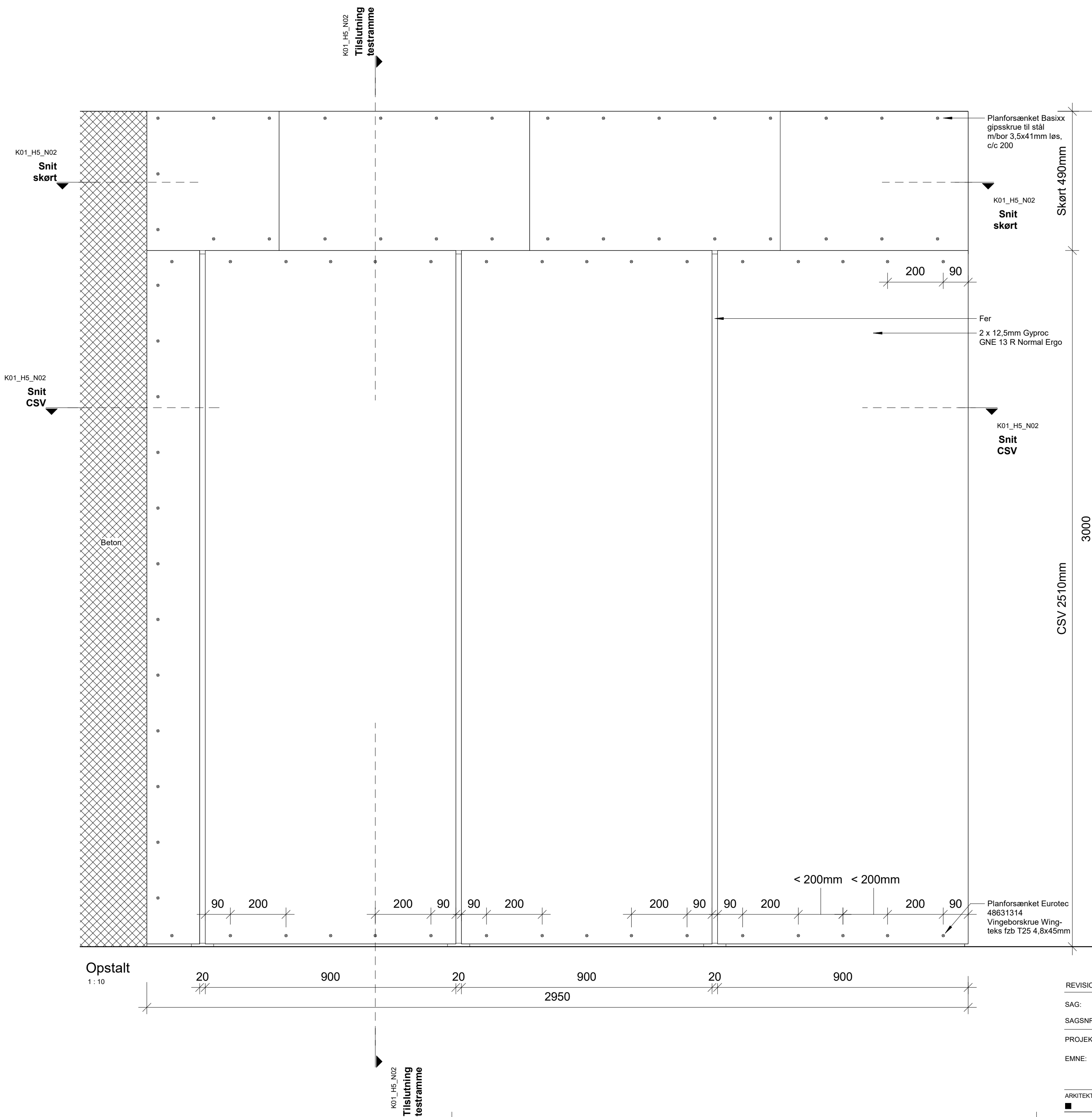
Photo No. 26 Test specimen after 71 minutes of testing. Tenth cotton pad test.



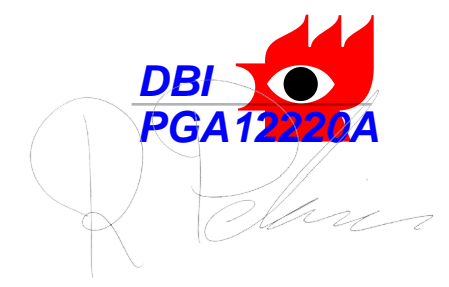
Photo No. 27 Heavy charring and embers. Tenth cotton pad test.



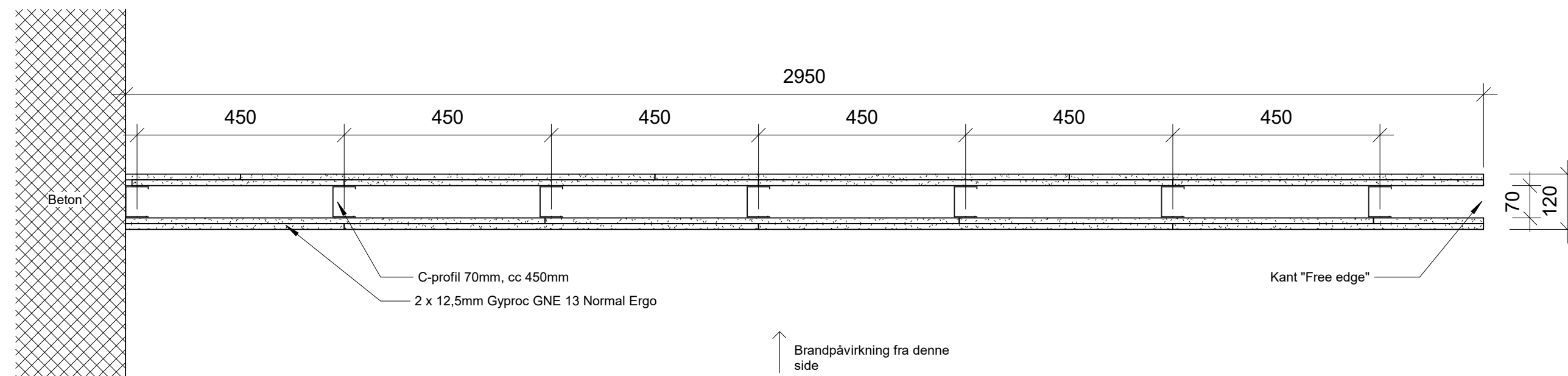
Photo No. 28 Test specimen after removed from furnace, seen from exposed side.



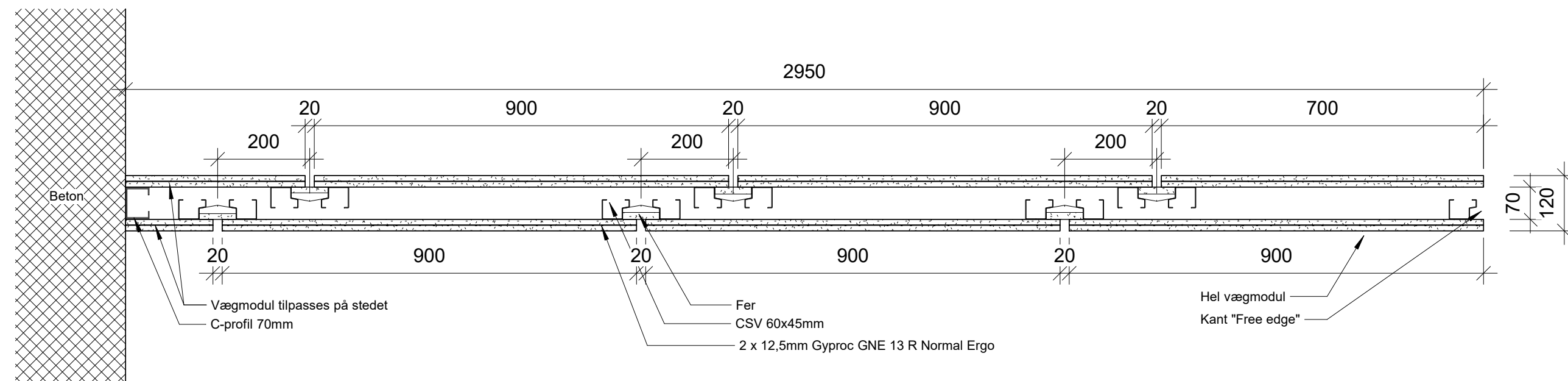
K01_H5_N01
Cirkulær skillevæg (CSV)



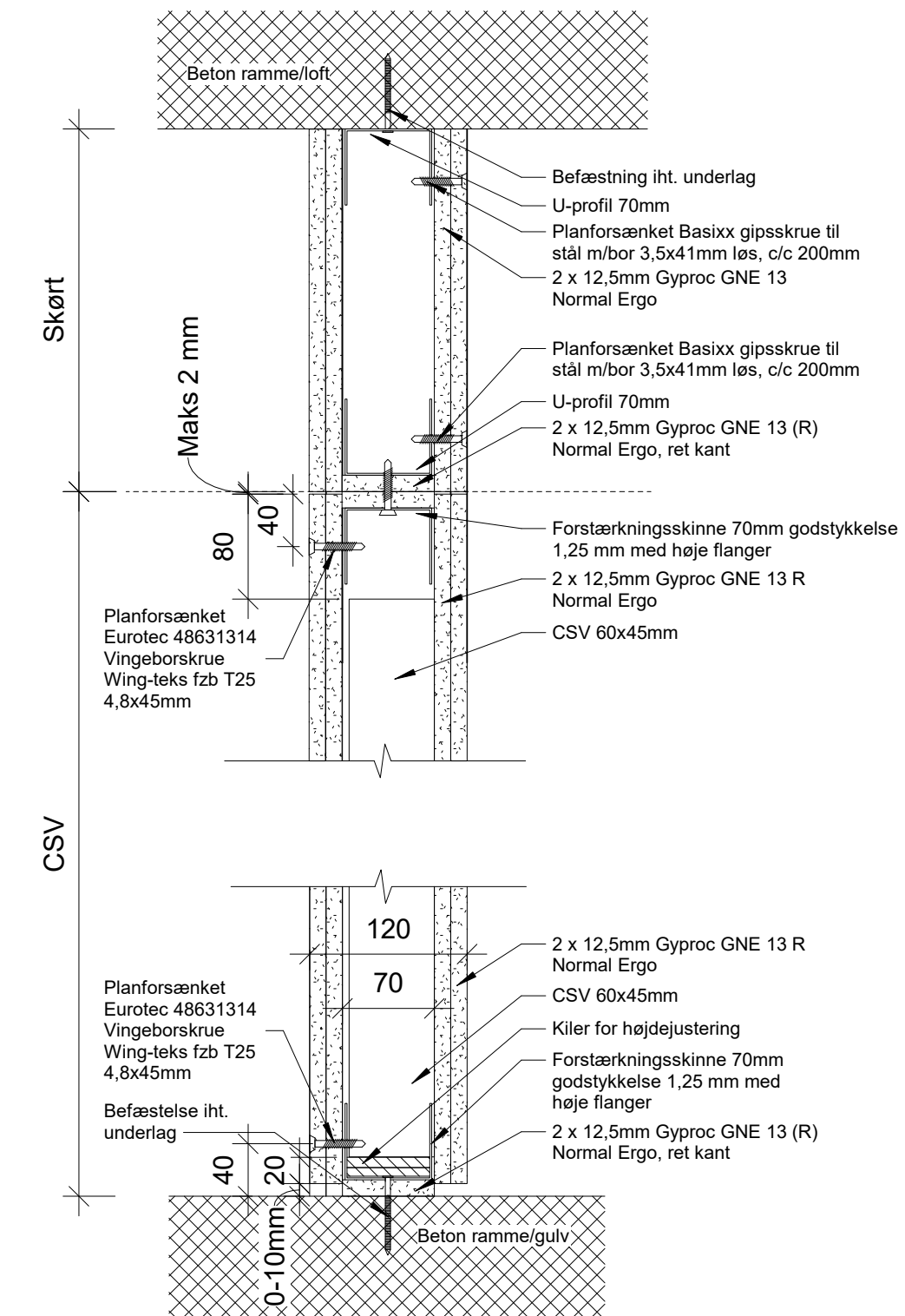
REVISION:	DATO:	EMNE:	UDFØRT AF:
SAG:	Cirkulær skillevæg (CSV)	TEGN NR.:	K01_H5_N01
SAGSNR.:	303250	DATO:	07-07-2023
PROJEKT:	Cirkulær skillevæg (CSV)	INITIALER:	CBO
EMNE:	Fuldskalabrandtest, DBI	KS:	JMG
		MÅL:	1:10
		FORMAT:	594 x 420
ARKITEKT:	ERIK arkitekter A/S Flæsketorvet 75 / DK-1711 København V	TLF: 2942 0532	MAIL: kbh@erik.dk WEB: www.erik.dk
			ERIKarkitekter



Snit Skørt
1 : 10



Snit CSV
1 : 10



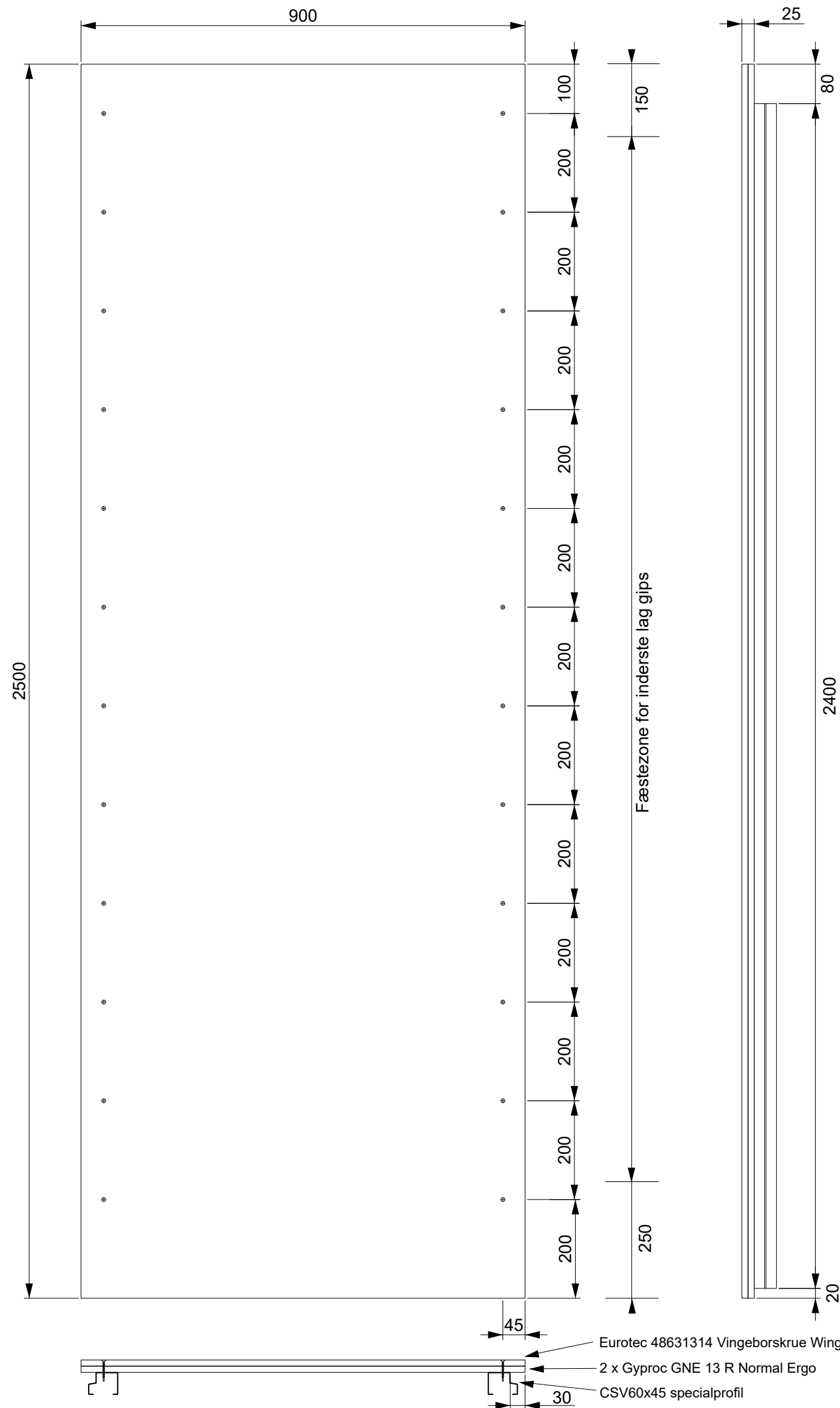
K01_H5_N02
Cirkulær skillevæg (CSV)

Tilslutning testramme
1 : 5

Note:
Stål i korrosionsklasse C2



REVISION:	DATO:	EMNE:	UDFØRT AF:
SAG:	Cirkulær skillevæg (CSV)	TEGN NR.:	K01_H5_N02
SAGSNR.:	303250	DATO:	07-07-2023
PROJEKT:	Cirkulær skillevæg (CSV)	INITIALER:	CBO
EMNE:	Fuldskalabrandtest, DBI	KS:	JMG
		MÅL:	As indicated
		FORMAT:	594 x 420
ARKITEKT:	ERIK arkitekter A/S Flæsketorvet 75 / DK-1711 København V	TLF: 2942 0532	MAIL: kbh@erik.dk WEB: www.erik.dk
			ERIKarkitekter



VÆGMODUL, Præfabrikation

- Vægmodul 900x2500 mm

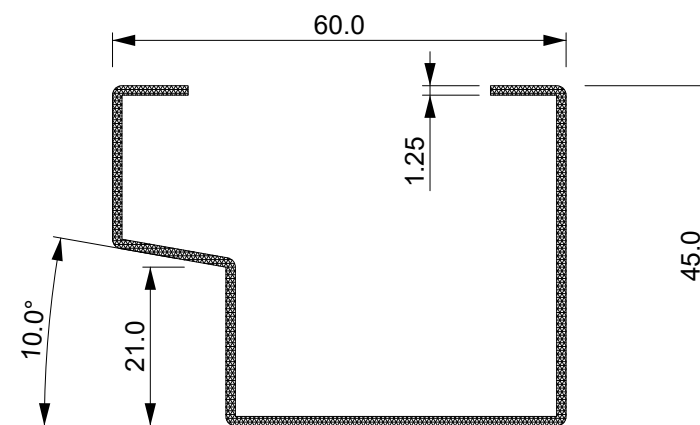
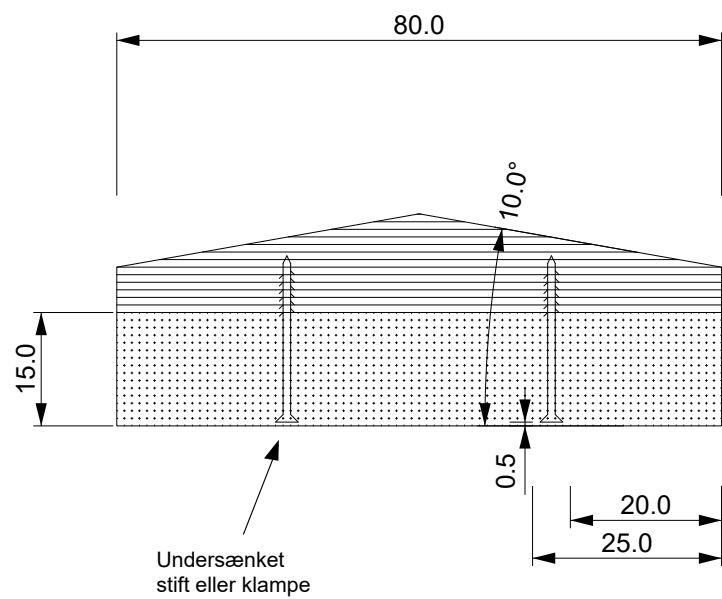
- CSV60x45 specialprofil, 1,25mm galv. stål. korrosionklasse C2, længde 2400mm
- 2 x Gyproc GNE 13 R Normal Ergo - gipskartonplade, 12,5mm med ret kant
- Gipsskruer med borespids: Eurotec 48631314 Vingeborskrue Wing-teks fzb T25. Planforsænket. Sættes 200mm fra vægmodulets nederste kant og opad per 200mm



REVISION:	DATO:	EMNE:	UDFØRT AF:
SAG:	Cirkulær skillevæg (CSV)	TEGN NR.:	K01_H5_N03
SAGSNR.:	303250	DATO:	07-07-2023
PROJEKT:	Cirkulær skillevæg (CSV)	INITIALER:	JMG
EMNE:	Fuldskalabrandtest, DBI	KS:	CBO
		MÅL:	1:10
		FORMAT:	420 x 297
ARKITEKT:	ERIK arkitekter A/S Flæsketorvet 75 / DK-1711 København V	TLF:	2942 0532
		MAIL:	kbh@erik.dk
		WEB:	www.erik.dk

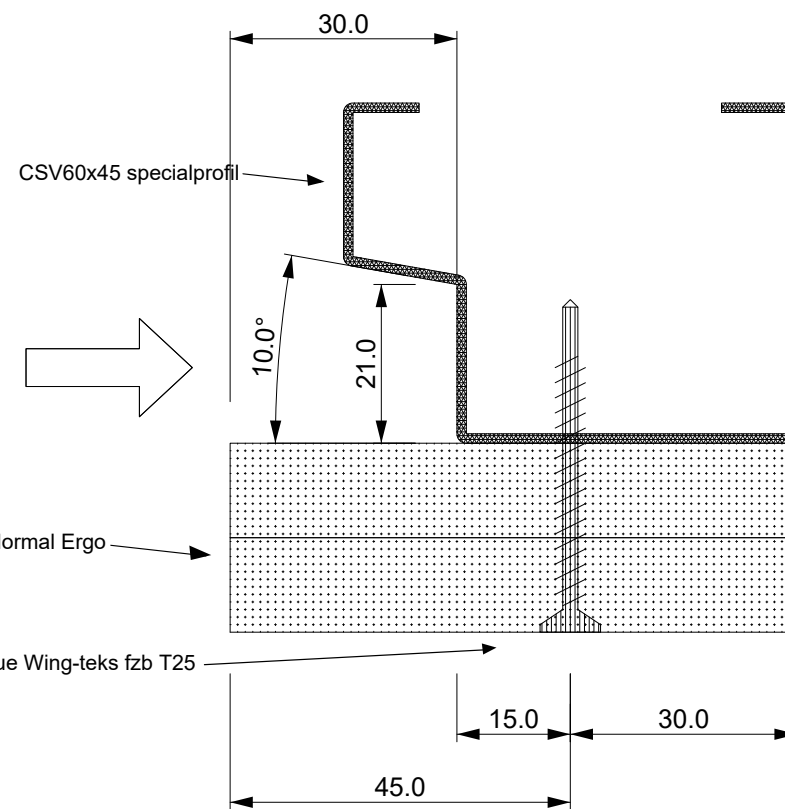
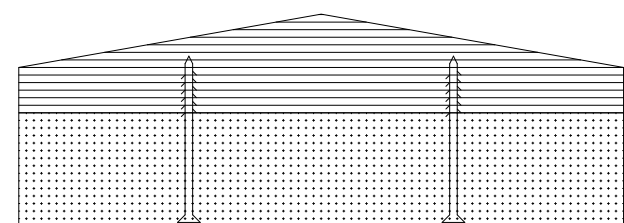


KOMPONENTER, Præfabrikation



- FER (tv.)
- Krydsfinér, struefast: _____ (udfyldes)
- 1 x 15.4mm Gyproc, GFE 15 Protect - gipsplade 15.4mm med brandegenskab
- Stifter / klamper med hager _____ (udfyldes). Undersænket for tæt samling. Sættes per 500mm.

- CSV60x45 specialprofil, stolpe (th.)
- Bukket op efter tegning på CNC-anlæg . 1,25mm galv. stål. korrosionklasse C2.
- Længde 2400mm



- Vægmodul 900x2500 mm
- CSV60x45 specialprofil, 1,25mm galv. stål. korrosionklasse C2
- 2 x Gyproc GNE 13 R Normal Ergo - gipskartonplade, 12,5mm med ret kant
- Gipsskruer med borespids: _____ (udfyldes). Planforsænket. Sættes 200mm fra vægmodulets nederste kant og opad per 200mm.

TEST, Præfabrikation kvalitetssikring

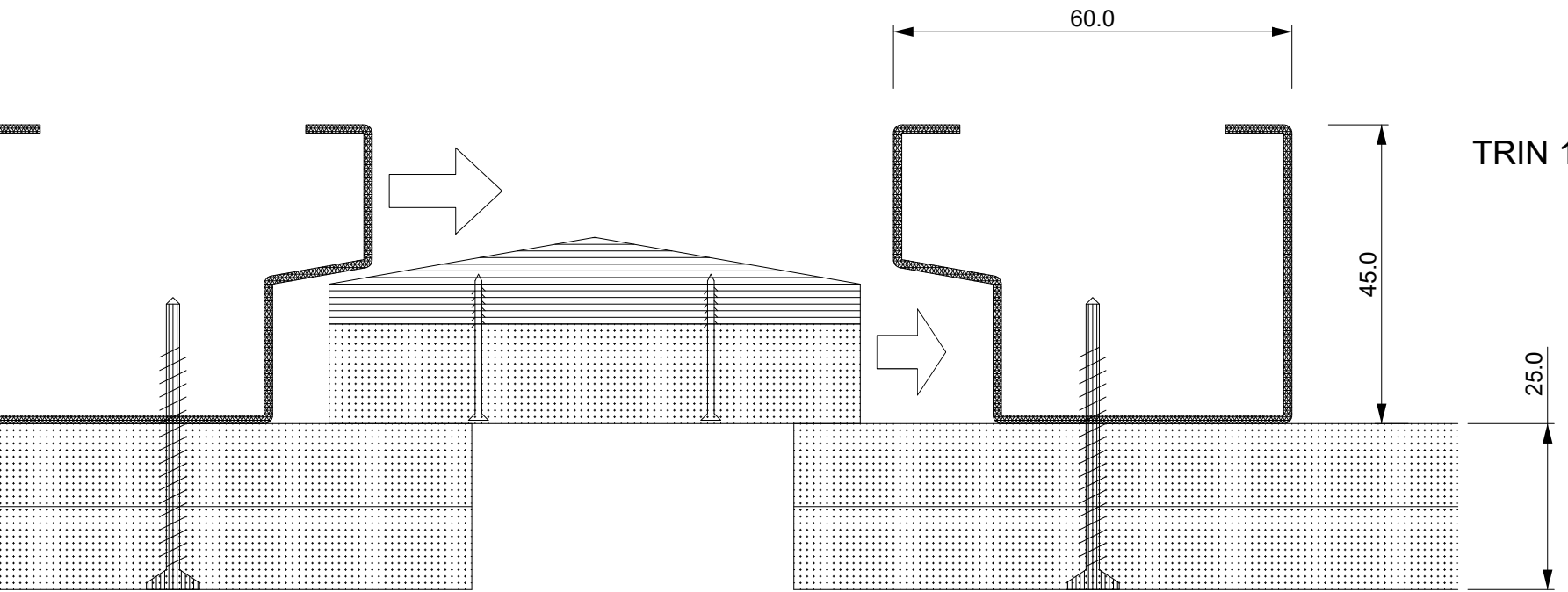
Vægmoduler + Løse Fer skal kunne presses tæt sammen i vilkårlig rækkefølge. Dvs. de er ensartede og giver tætte lodrette tørre samlinger.

2 x Gyproc GNE 13 R Normal Ergo

Eurotec 48631314 Vingeborskruer Wing-teks fzb T25



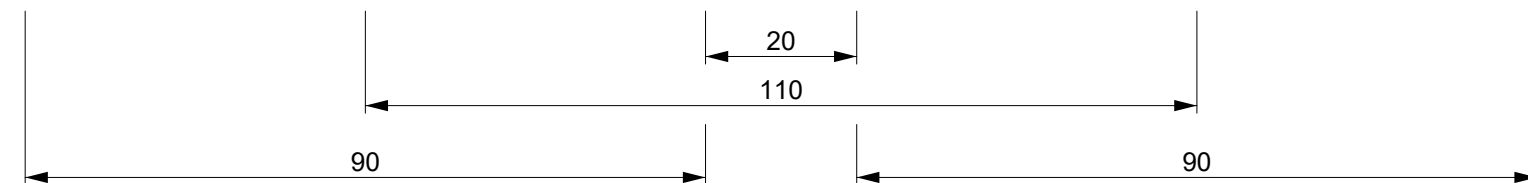
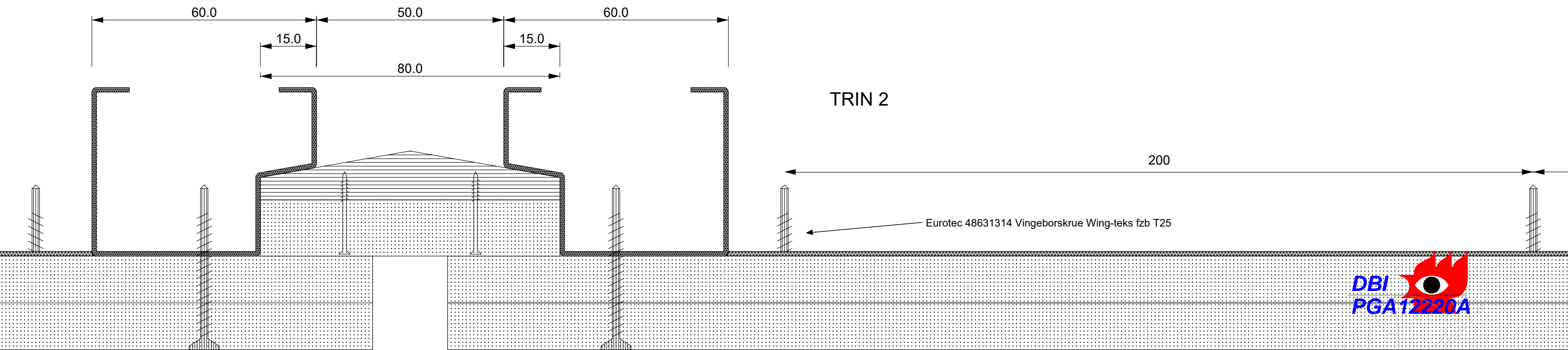
REVISION:	DATO:	EMNE:	UDFØRT AF:
SAG:	Cirkulær skillevæg (CSV)	TEGN NR.:	K01_H5_N04
SAGSNR.:	303250	DATO:	07-07-2023
PROJEKT:	Cirkulær skillevæg (CSV)	INITIALER:	JMG
EMNE:	Fuldskalabrandtest, DBI	KS:	CBO
		MÅL:	1:1
		FORMAT:	420 x 297
ARKITEKT:	ERIK arkitekter A/S Flæsketorvet 75 / DK-1711 København V	TLF: 2942 0532	MAIL: kbh@erik.dk WEB: www.erik.dk



SAMLING, in-situ

Trin 1
Vægmodul justeret til lodret med kiler.
Vægmodul + Fer + Vægmodul presset tæt sammen.

Trin 2
Vægmodul fastgøres i top og bund med gipsskruer med borespids Eurotec 48631314 Vingeborskrue Wing-teks fzb T25.
Planforsænket. sættes 90mm inde fra vægmodulets lodrette kant og derefter med max. 200mm afstand.



Brandpåvirkning
fra denne side

REVISION:	DATO:	EMNE:	UDFØRT AF:
SAG:	Cirkulær skillevæg (CSV)	TEGN NR.:	K01_H5_N05
SAGSNR.:	303250	DATO:	07-07-2023
PROJEKT:	Cirkulær skillevæg (CSV)	INITIALER:	JMG
EMNE:	Fuldscalebrandtest, DBI	KS:	CBO
		MÅL:	1:1
		FORMAT:	420 x 297
ARKITEKT:	ERIK arkitekter A/S Flæsketorvet 75 / DK-1711 København V	TLF:	2942 0532
		MAIL:	kbh@erik.dk
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