

86 Nikola Petkov Blv., Sofia 1618, Bulgaria
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**TESTING CENTER FOR CONSTRUCTION (TCC) at
BUILDING RESEARCH INSTITUTE - NISI Ltd.**

ACCREDITED ACCORDING TO BDS EN ISO/IEC 17025:2018

Certificate reg. No 88 ЛИ/07.10.2022

issued by EA BSA and valid until 07.10.2026

Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

TEST REPORT

No. 275-1-207/19.04.2024

Name of product: Gully tops and manhole tops - round manhole covers with lock made of polymer composite material with clear opening \varnothing 600 mm and nominal dimension \varnothing 660 mm, class A 15

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 275 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class A 15	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	207	6	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			0,7¹⁾	≤ 6,0²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 15 kN for 30 s without damagest	
					Broken load 52,4 kN		

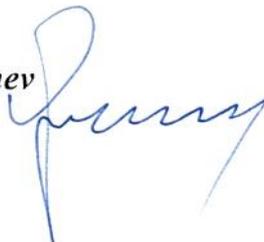
1) After loading 5 times with a force 2/3 of the test load - 2/3 of 15 kN = 10 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by 
Jordan Jordanov
 Technician

Res. Ass. Eng. Emil Penev 
 Head of Test Sector

Res. Ass. Eng. Tsvetana Gyurova 
 Manager of TCC



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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

TEST REPORT

No. 276-1-208/19.04.2024

Name of product: Gully tops and manhole tops - round manhole covers with lock made of polymer composite material with clear opening \varnothing 600 mm and nominal dimension \varnothing 660 mm, class B 125

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 276 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class B 125	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	208	6	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			1,1¹⁾	≤ 6,0²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 125 kN for 30 s without damagest	
					Broken load 140,7 kN		

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 125 kN = 83,3 kN.

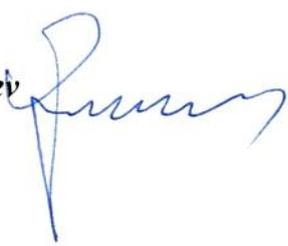
2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by 
Jordan Jordanov
 Technician

Res. Ass. Eng. Emil Penev
 Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
 Manager of TCC



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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

**TEST REPORT
No. 277-1-209/19.04.2024**

Name of product: Gully tops and manhole tops - round manhole covers with lock made of polymer composite material with clear opening \varnothing 600 mm and nominal dimension \varnothing 660 mm, class C 250

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 277 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class C 250	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	209	5	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			1,3¹⁾	≤ 2,0²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 250 kN for 30 s without damagest	
					Broken load 277,3 kN		

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 250 kN = 166,6 kN.
 2) The permissible residual deformation is equal to the clear opening (CO)/300.
 Additions, deviations and exceptions to the method used: None
 TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by

Jordan Jordanov
 Technician

Res. Ass. Eng. Emil Penev
 Head of Test Sector


Res. Ass. Eng. Tsvetana Gyurova
 Manager of TCC



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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

TEST REPORT

No. 278-1-210/19.04.2024

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 400/400 mm, class A 15

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 278 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class A 15	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	210	5	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			0,7¹⁾	≤ 4,0²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 15 kN for 30 s without damagest	
					Broken load 67,6 kN		

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 15 kN = 10 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by


Jordan Jordanov
Technician

Res. Ass. Eng. Emil Peney
Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

TEST REPORT

No. 279-1-211/19.04.2024

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 500/500 mm, class A 15

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 279 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class A 15	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	211	6	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			0,8¹⁾	≤ 5,0²⁾	
3.	Load test	-			No damagest Broken load 58,4 kN	The manhole cover should resist load 15 kN for 30 s without damagest	

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 15 kN = 10 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by


Jordan Jordanov
Technician

Res. Ass. Eng. Emil Penev
Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

**TEST REPORT
No. 280-1-212/19.04.2024**

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 600/600 mm, class A 15

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 280 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class A 15	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	212	6	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			0,9¹⁾	≤ 6,0²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 15 kN for 30 s without damagest	
					Broken load 55,8 kN		

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 15 kN = 10 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by 
Jordan Jordanov
 Technician

Res. Ass. Eng. Emil Penev
 Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
 Manager of TCC





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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

**TEST REPORT
No. 281-1-213/19.04.2024**

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 400/400 mm, class B 125

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 281 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



The results relate only to the samples tested. Extracts from the report can not be reproduced without written consent of the Testing Center for Construction (ICS-NISI Ltd.)

TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class B 125	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	213	5	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			0,8 ¹⁾	$\leq 4,0$ ²⁾	
3.	Load test	-			No damagest Broken load 142,3 kN	The manhole cover should resist load 125 kN for 30 s without damagest	

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 125 kN = 83,3 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

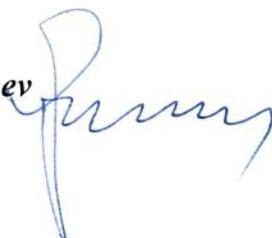
Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by


Jordan Jordanov
Technician

Res. Ass. Eng. Emil Penev
Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC





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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

**TEST REPORT
No. 282-1-214/19.04.2024**

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 500/500 mm and nominal dimensions 536/536 mm, class B 125

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

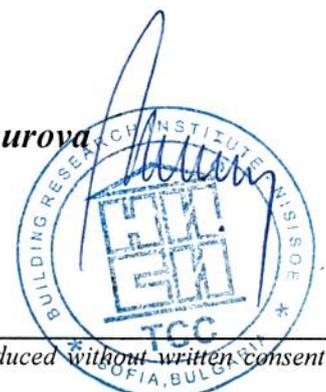
Incoming No 282 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class B 125	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	214	6	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			1,1¹⁾	≤ 5,0²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 125 kN for 30 s without damagest	
			Broken load 141,4 kN				

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 125 kN = 83,3 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by 
Jordan Jordanov
 Technician

Res. Ass. Eng. Emil Penev
 Head of Test Sector 

Res. Ass. Eng. Tsvetana Gyurova
 Manager of TCC 


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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

TEST REPORT

No. 283-1-215/19.04.2024

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 600/600 mm and nominal dimensions 634/634 mm, class B 125

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

Incoming No 283 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class B 125	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	215	7	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			1,2 ¹⁾	≤ 6,0 ²⁾	
3.	Load test	-			No damagest Broken load 139,6 kN	The manhole cover should resist load 125 kN for 30 s without damagest	

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 125 kN = 83,3 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

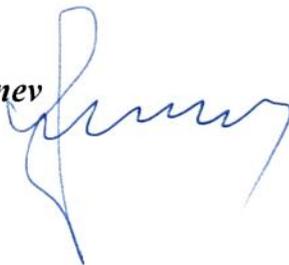
Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by


Jordan Jordanov
Technician

Res. Ass. Eng. Emil Penev
Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

**TEST REPORT
No. 284-1-216/19.04.2024**

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 800/800 mm, class B 125

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:
EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:
Incoming No 284 of 12.04.2024

Quantity of the test samples:
1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class B 125	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	216	7	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			1,5 ¹⁾	$\leq 8,0$ ²⁾	
3.	Load test	-			No damagest	The manhole cover should resist load 125 kN for 30 s without damagest	
			Broken load 134,1 kN				

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 125 kN = 83,3 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by 
Jordan Jordanov
 Technician

Res. Ass. Eng. Emil Penev
 Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
 Manager of TCC





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Sector CONCRETE & REINFORCING STEEL, BUILDING MATERIALS & PRODUCTS

**TEST REPORT
No. 285-1-217/19.04.2024**

Name of product: Gully tops and manhole tops - square manhole covers with lock made of polymer composite material with clear opening 745/535 mm, class B 125

Distributor: Sancore Sp. z o.o.

Applicant: Sancore Sp. z o.o.
Zygmunta Vogla 28, Warsaw, Poland
Application of 12.04.2024

Test method:

EN 124-1:2015 Gully tops and manhole tops for vehicular and pedestrian areas - Part 1: Definitions, classification, general principles of design, performance requirements and test methods

Date of receiving the sample at TCC:

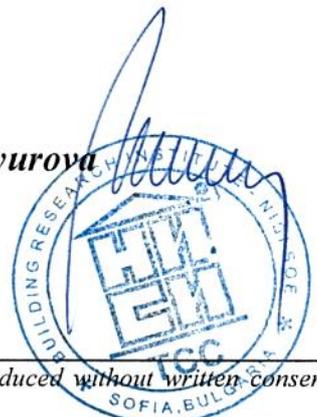
Incoming No 285 of 12.04.2024

Quantity of the test samples:

1 specimen complete with the frame, taken and presented by the Applicant

Time of the test: From 12.04.2024 to 18.04.2024

Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC



The results relate only to the samples tested. Extracts from the report can not be reproduced without written consent of the Testing Center for Construction (ICS-NISI Ltd.)

TESTING DATA

No	Characteristic	Unit of measurement	Test method	No and identification of test specimen	Test result	Requirement according to EN 124-1: 2015 Class B 125	Test conditions
1	2	3	4	5	6	7	8
1.	Total clear distance between frame and lid	mm	EN 124-1: 2015	217	6	≤ 9	(20-21)°C (57-58)%RH
2.	Permanent set	mm			1,4¹⁾	≤ 5,0²⁾	
3.	Load test	-			No damagest Broken load 135,7 kN	The manhole cover should resist load 125 kN for 30 s without damagest	

1) After loading 5 times with a force 2/3 of the test load - 2/3 of 125 kN = 83,3 kN.

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Additions, deviations and exceptions to the method used: None

TCC is not responsible if the information provided by the Applicant may affect the validity of the results.

Test are carried out by


Jordan Jordanov
Technician

Res. Ass. Eng. Emil Penev
Head of Test Sector



Res. Ass. Eng. Tsvetana Gyurova
Manager of TCC

