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**TEST CENTER FOR CONSTRUCTION (TCC) as of NISI EOOD**

*ACCREDITED UNDER BS EN ISO/IEC 17025: 2006*  
*Certificate reg. № 88 ЛИ/01.10.2014*  
*issued by EA BAS valid until 01.10.2018*

Laboratory: "Concrete and reinforcement, construction materials and products"

**TEST REPORT**  
**№ 29-1-28/21.01.2016**

**Name of product:** Gully tops and manhole tops - round sewer grates with frame and locking from polymer composite with nominal dimensions of clear opening 600 mm, class D 400

**Manufacturer:** "RECO PRODUCTION" LTD

**Client:** "RECO PRODUCTION" LTD  
town of Novi Iskar, 27 "Ravnets" str.  
application from 06.01.2016  
The samples were taken and submitted by the Client.

**Test methods:**

BDS 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"

BDS EN 124-5:2015 "Gully tops and manhole tops for vehicular and pedestrian areas Part 5: Gully tops and manhole tops made of composite materials"

**Date of receipt of the samples at TCC:** ref.№ 29/06.01.2016

**Quantity of test samples:** 1 piece complete with frame

**Period of the test:** 11.01.2016 г. - 15.01.2016

**Director TCC:** signed, stamped

**/chief as.Eng. Ts. Gyurova/**

*The results refer only to the tested samples. Extracts from the test record may not be reproduced without the written consent of the Test Center for Construction - TCC - NISI LTD.*

**TEST RESULTS:**

№	Identification of characteristics	Measurement unit	Test methods	№ and identification of the sample	Test results	Value and tolerance of the characteristic; BDS EN 124-1: 2015 and BS EN 124-5: 2015	Test conditions
1	2	3	4	5	6	7	8
1.	<b>Residual deformation</b> after the application of 2/3 of the tensile force when tested <sup>1)</sup>	mm	BDS EN 124-1: 2015	28	<b>1,4</b>	<b>for Class D 400:</b> <b>≤ 2,0</b> <sup>2)</sup>	Standard
2.	<b>Load testing:</b> - with force of 400 kN for 30 sec	-		28	<b>Withstand the load without opening of cracks</b>	<b>Opening of cracks is not allowed</b>	
	- force of destruction	kN	28	<b>426</b>	<b>for Class D 400:</b> <b>≥ 400</b>		

Notes:

1) 2/3 of 400 kN = 266 kN

2) The permissible residual deformation is equal to the clear opening (CO)/300.

**Chief of laboratory:** signed, stamped  
/chief as.Eng. E.Penev/

**Director TCC:** signed, stamped  
/chief as.Eng. Ts. Gyurova/

Tested by: technician Y.Yordanov

If necessary, the test record can include opinions and interpretations for certain tests **(conclusions are not allowed)** only in accordance with the requirements of item 5.10.5 of BDS EN ISO / IEC 17025: 2006.

*I, Ognyan Penev, hereby certify that to the best of my knowledge this is a true and accurate translation from Bulgarian into English of the attached document Test report 29-1-28/21.01.2016 The translation consists of 2 /two/ pages.*

Signature of translator:

(Ognyan Penchev Penev)