

Classification of reaction to fire based with EN 13501-1 : 2019-05

No. of Classification Report:

K-2301/014/19-MPA BS

Client:

*ERICO Europe BV
Jules Verneweg 75
5015 BG Tilburg
The Netherlands*

Issued by:

*Materialprüfanstalt für das Bauwesen
Beethovenstraße 52
38106 Braunschweig
Germany*

Number of the notified testing laboratory:

0761-CPD

Product name:

*"MFDRBR..." as a component of the
nVent CADDY MACROFIX Insulated
M8/M10 (MFD) and nVent CADDY
MACROFIX Insulated M8/M10 Stainless
Steel (MFD-S6)*

Issue number:

2st issue

Issued on:

17/07/2020

Validity:

Not restricted

This Classification Report consists of 5 pages and 3 annexes.

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1 Introduction

This Classification Report defines the classification that is assigned on the basis of the test method specified in DIN EN 13501-1 : 2019-05 to the construction products that are described below.

2 Details of the classified construction products

2.1 Type and field application

The tested products "*MFDRBR...*"* made of *EPDM-SBR Rubber* are *Inlays for pipe clamps for suspension of stationary non-insulated pipe lines**.

2.3 Description of the products

The tested products "*MFDRBR...*"* are described in detail in the Test Report that is listed in section 3.1 below and on which this classification is based.

3 Test reports and test results for classification

3.1 Test Report

Name of testing laboratory	Client	Number of the Test Report	Test method / date
<i>MPA Braunschweig</i>	<i>ERICO Europe BV Jules Verneweg 75 5015 BG Tilburg The Netherlands</i>	<i>2301/014/19-a of 18/02/2019</i>	<i>DIN EN ISO 11925-2 2011-02</i>

3.2 Test results

3.2.1 Test results for the *EPDM-SBR Rubber* products "*MFDRBR...*"

Test method	Parameter	Number of tests	Test results	
			Continuous parameters (mean value)	Discrete parameters
EN ISO 11925-2				
Flames applied to surface 15 s	$F_s \leq 150 \text{ mm}$	9	-	<i>Complied with</i>
Burning droplets/falling burning particles	Ignition of the filter paper	9	-	<i>Complied with</i>
Flames applied to edge 15 s	$F_s \leq 150 \text{ mm}$	9	-	<i>Complied with</i>
Burning droplets/falling burning particles	Ignition of the filter paper	9	-	<i>Complied with</i>

* Details of the client

4 Classification and field of direct application

4.1 Classification basis

This classification was made in compliance with DIN EN 13501-1 : 2019-05.

4.2 Classification

The following reaction-to-fire performance class is assigned to the tested products *EPDM-SBR Rubber "MFDRBR..."*:

E

The additional product classification regarding smoke production is:

No requirements

The additional classification of the product regarding burning droplets/falling burning particles is:

Complied with

The classification format for the reaction to fire of building products, except for flooring and pipe insulation, is as follows:

Reaction-to-fire		Smoke production			Burning droplets	
<i>E</i>	--	--	--	--	--	--

The classification in accordance with DIN EN DIN EN 13501-1 : 2019-05, table 1, is:

Reaction-to-fire classification: E

4.3 Field of application and product parameters

4.3.1 Field of application and parameters of the "EPDM-SBR Rubber" products

The classification in section 4.2 for the product applies to the following product fields of application and/or product parameters:

- Product parameter

Product	Parameter	The classification applies to
Inlays	Type	<i>EPDM-SBR Rubber*</i>
	Density	<i>1,40 g/cm³ ± 5%</i>
	Colours	<i>Black and blue paint on two outside vertical flat surfaces</i>
	Global Part Number	<i>MFPRBR148B* MFDRBR148*</i> <i>MFPRBR160B* MFDRBR160*</i> <i>MFPRBR170B* MFDRBR170*</i> <i>MFPRBR200B* MFDRBR200*</i> <i>MFPRBR215B* MFDRBR215*</i> <i>MFPRBR225B* MFDRBR225*</i> <i>MFPRBR250B* MFDRBR250*</i> <i>MFPRBR275B* MFDRBR275*</i> <i>MFPRBR319B* MFDRBR319*</i> <i>(drawings see annexes 1-3)</i>
Subsoil	Connection with other products	Only direct application on metal subsoil for the practical application with a melting point ≥ 1000°C, thickness ≥ 0,6 mm and density ≥ 5850 kg/m ³

- Field of application: use as Inlays for pipe clamps

* Details of the client

- 5.1 In connection with additional flammable coatings or other weights per unit area than those specified in section 4.3 above, the reaction to a fire may be adversely affected so that the classification in section 4.2 will no longer apply. The reaction of fire of any additional flammable coatings or other weights per unit area must be demonstrated separately.
- 5.2 This Classification Report is not a type approval or product certification document, and it does not replace the approval that may be required under the German building law (State Government Building Regulations).
- 5.3 It was made no declaration by the client regarding the classification of his construction product in a system of the attestation of compliance procedure for CE marking within the framework of the Construction Products Regulation (BauPVO).
- 5.4 **This Classification Report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt the German version is valid solely. This Classification Report is only valid in combination with the German version of the report.**

Signature

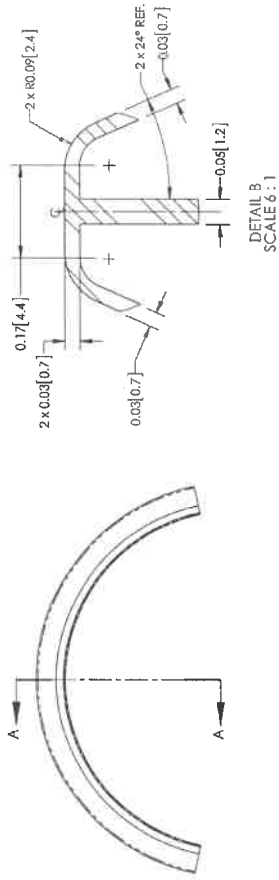
Tech.-Ang. Katharina Feustel-Prause
Engineer / official in charge



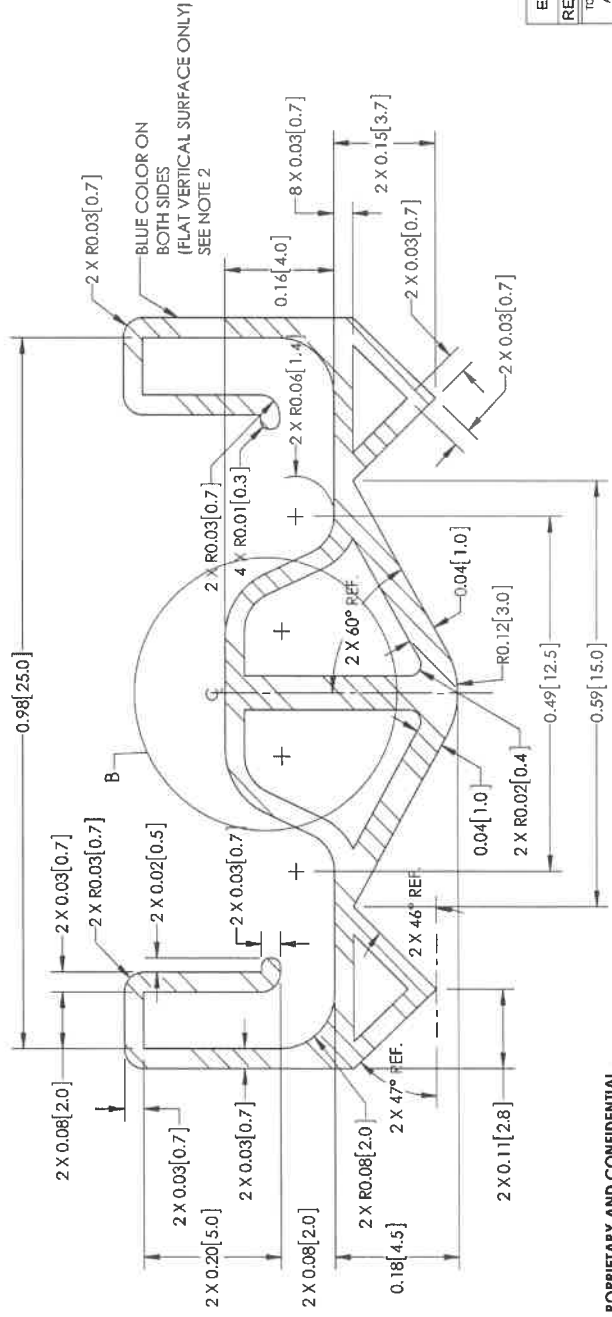
Confirm

ORF Dr.-Ing. Gert Flume
Head of Testing Laboratory

* Details of the client



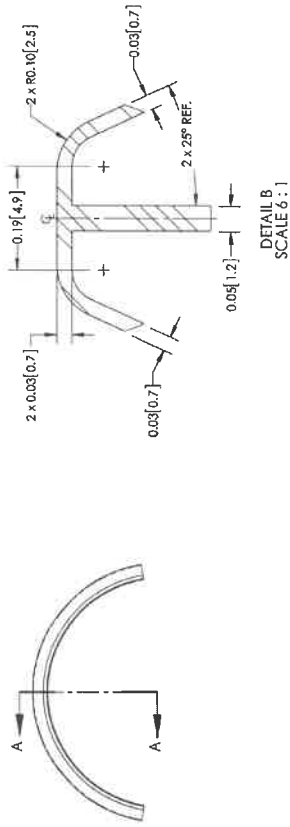
ITEM	PART NO.	QTY	DESCRIPTION
24	MFPRBR148B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP148 MACROFIX PLUS
25	MFDRBR148	X	RUBBER LINER FOR MFD148 MACROFIX I
26	MFPRBR160B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP160 MACROFIX PLUS
27	MFDRBR160	X	RUBBER LINER FOR MFD160 MACROFIX I
28	MFPRBR170B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP170 MACROFIX PLUS
29	MFDRBR170	X	RUBBER LINER FOR MFD170 MACROFIX I



REV	DATE	BY	CHKD	APP'D
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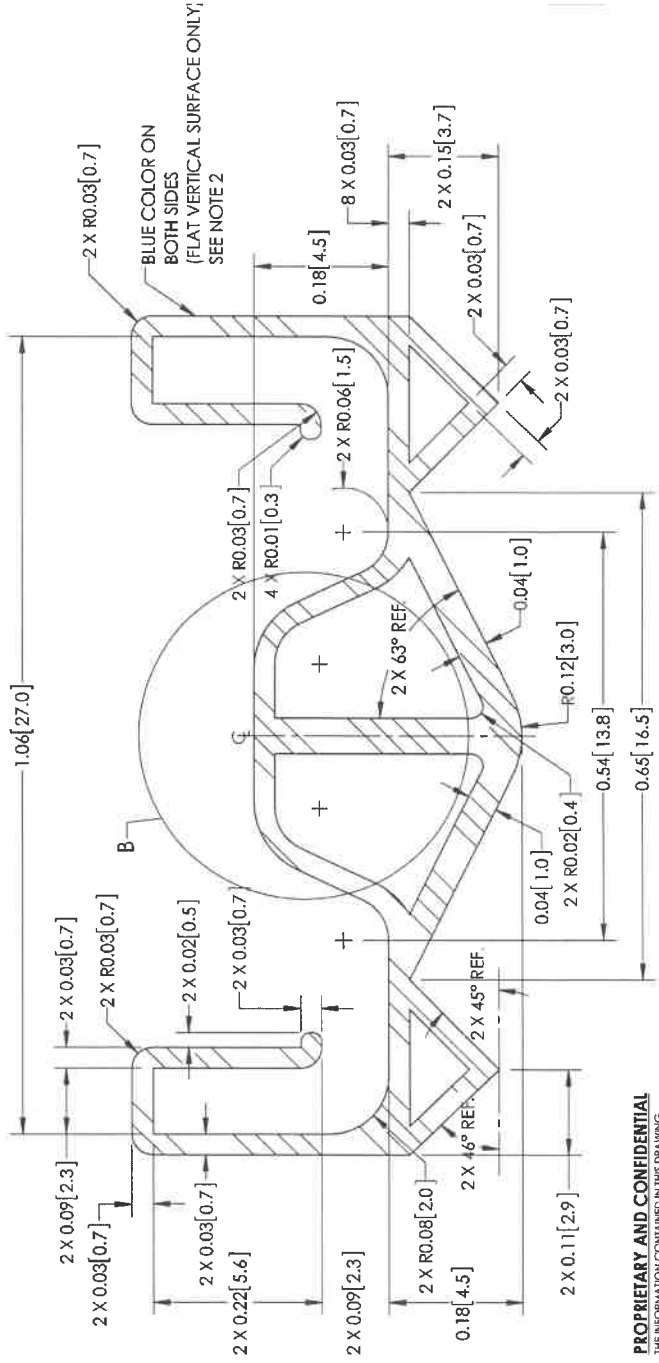
TOLERANCE (INCH) UNLESS NOTED	
ANGULAR TOLERANCE:	±1°
FRACTIONAL TOLERANCE:	±1/32
TWO PLACE DECIMAL:	±0.01
THREE PLACE DECIMAL:	±0.005
TOLERANCE [mm] UNLESS NOTED	
ANGULAR TOLERANCE:	±1°
ONE PLACE DECIMAL:	±0.3
TWO PLACE DECIMAL:	±0.13

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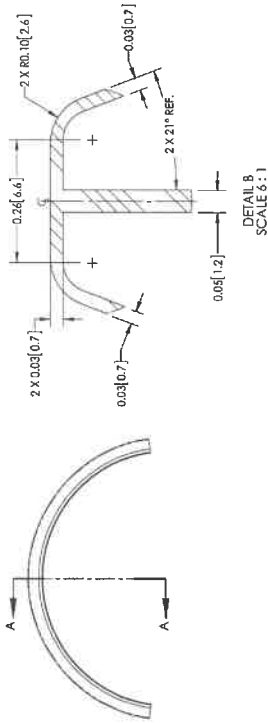
ITEM	PART NO.	QTY	DESCRIPTION
30	MFPBR200B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP200 MACROFIX PLUS
31	MFDRR200	X	RUBBER LINER FOR MFD200 MACROFIX I
32	MFPBR215B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP215 MACROFIX PLUS
33	MFDRR215	X	RUBBER LINER FOR MFD215 MACROFIX I
34	MFPBR225B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP225 MACROFIX PLUS
35	MFDRR225	X	RUBBER LINER FOR MFD225 MACROFIX I

TOLERANCE (INCH) UNLESS NOTED	
ANGULAR TOLERANCE:	±1°
FRACTIONAL TOLERANCE:	±1/32
TWO PLACE DECIMAL:	±0.01
THREE PLACE DECIMAL:	±0.005
TOLERANCE (mm) UNLESS NOTED	
ANGULAR TOLERANCE:	±1°
ONE PLACE DECIMAL:	±0.3
TWO PLACE DECIMAL:	±0.13



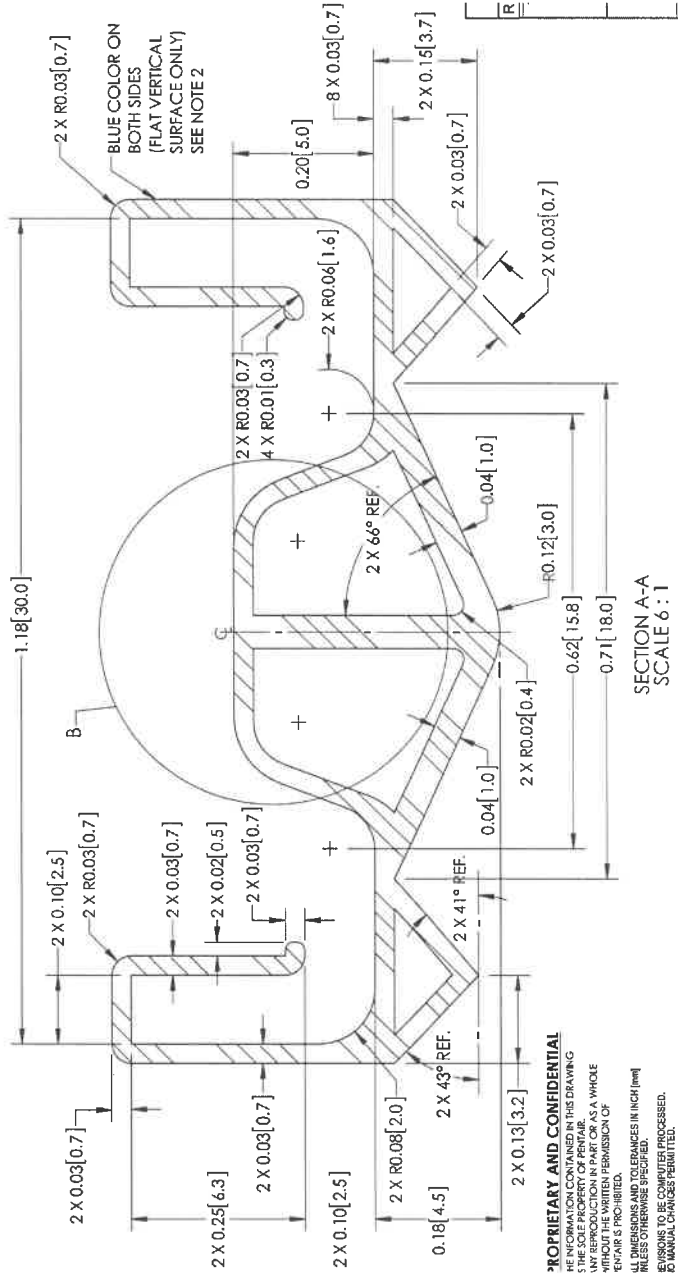
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SECTION A-A
SCALE 6 : 1



ITEM	PART NO.	Q'TY	DESCRIPTION
36	MFPRBR250B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP250 MACROFIX PLUS
37	MFDRBR250	X	RUBBER LINER FOR MFD250 MACROFIX I
38	MFPRBR275B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP275 MACROFIX PLUS
39	MFDRBR275	X	RUBBER LINER FOR MFD275 MACROFIX I
40	MFPRBR319B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MFP319 MACROFIX PLUS
41	MFDRBR319	X	RUBBER LINER FOR MFD319 MACROFIX I

TOLERANCE (INCH) UNLESS NOTED	TOLERANCE [mm] UNLESS NOTED
ANGULAR TOLERANCE: ±1°	ANGULAR TOLERANCE: ±1°
FRACTIONAL TOLERANCE: ±1/32	ONE PLACE DECIMAL: ±0.3
TWO PLACE DECIMAL: ±0.01	TWO PLACE DECIMAL: ±0.13
THREE PLACE DECIMAL: ±0.005	



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