

**CEGA Sp. z o.o.**  
ul. Frezerów 9D  
20-209 Lublin  
NIP: 527-254-30-71

**QUALITY  
DEPARTMENT**

**CEGA<sup>®</sup>**



**NATIONAL DECLARATION OF PERFORMANCE  
No. DWU 17.00/2023**

**1. Manufacturer:**

CEGA Sp. z o.o., ul. Frezerów 9D, 20-209 Lublin

**2. Product's name:**

**MTXrw** – heat shrinkable reducer joints (bottle shaped) with welding, radiated cross-linked, for foaming by liquid PUR, with welding plugs;

**MTX1rw** – heat shrinkable reducer joints (bottle shaped) with welding, radiated cross-linked, for foaming by liquid PUR, with welding plugs, with butyl mastic;

**MTX2rw** – heat shrinkable reducer joints (bottle shaped) with welding, radiated cross-linked, for foaming by liquid PUR, with welding plugs, with butyl mastic and hot-melt adhesive;

- range of diameters  $\Phi$  90/110 mm till  $\Phi$  630/710 mm.

**3. Product's statistical code:** PKWIU - 25.21.21-53

**4. Product's destination and scope of application:** Reducers are for foaming by liquid PUR, with welding plugs, to be used for isolation of the district-heating pre-insulated pipes connections. Reducers secure mechanical and thermal, UV, light and other aggressive factors as well as fungus and mould resistance. Moisture tightness.

**5. Technical specification:**

**EN 489-1:2019** - District heating pipes. Bonded single and twin pipe systems for buried hot water networks. Joint casing assemblies and thermal insulation for hot water networks in accordance with EN 13941-1

**EN 253:2019** – District-heating pipes – Bonded single pipe systems for directly buried hot water networks – Factory made pipe assembly of steel service pipe, polyurethane thermal insulation and casing of polyethylene (with reference to wall thickness and HDPE class of the casings).

**6. Declared technical properties of the product:** wall-thickness according to EN 253:2019, black color, length L = 600/700mm (or other length due to customer's settlement)

**7. Name and number of the accredited certifying unit or laboratory and certification or test report number, if such unit was participating in the valuating system of the product's conformity:**

Accredited Testing Laboratory (by PCA No AB 414) of the VEOLIA Energy Warsaw S.A.

– test report No **VVAW/DE/EB/EBB/23/0205/1** dated 30.03.2023

(valuating system of the product's conformity - 3)

**8. Declared performance properties: (applies to document no. DWU 17.00/2023)**

<b>Feature of the construction product</b>	<b>Requirements</b>	<b>Reference document</b>
<b>Material joint casing</b>	<i>compliance with the reference document</i>	<b>EN 253:2019 item 4.3.1</b>
<b>Soil stress test</b>	<b>100 cycles</b> <i>compliance with the reference document</i>	<b>EN 489-1:2019 item 5.2.5</b>
<b>Water tightness</b>	<b>≥ 24h after test according EN 489 item 5.2.5</b> <i>compliance with the reference document</i>	<b>EN 489-1:2019 item 5.3</b>
<b>Marking</b>	<i>compliance with the reference document</i>	<b>EN 489-1:2019 item 6</b>
<b>Plug MFR</b>	<b>0,2 ÷ 1,0 g/ 10 min</b>	<b>EN 489-1:2019</b>

**We hereby declare that the product is in compliance with technical specification indicated in item 5 above and with the functional properties specified in point 8.  
This declaration of performance is issued in accordance with the Act of April 16, 2004. about construction products.**

Lublin, 31.03.2023

*Kierownik Działu Jakości*

*mgr Bartłomiej Sady*

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(name and signature of the authorized person)