



## Certificate of Conformity

Awarded to:

### RASHMI METALIKS LIMITED

HEAD OFFICE:

Premata Building, 39, Shakespeare Sarani, Kolkata, West Bengal, PIN – 700017 INDIA

PRODUCTION PLANT:

Gokulpur, P.O. Shyamraipur, Kharagpur, West Medinipur, West Bengal – 721304 INDIA

Bureau Veritas Italia S.p.A. certify that the process of application of coatings for the following products:

#### **Ductile iron pipes for water and sewerage applications**

from DN 80 to DN 1200 Push-On

from DN 40 to DN 600 Restrained Flexible Joint

from DN 80 to DN 1000 Flanged Joint

*(welding flanged operation is carried out at Gopinathpur, Mauza Changua plant)*

#### **Commercial Brand**

**RASHMI AQUA**

Designed and produced by Rashmi Metaliks Limited  
have been evaluated and found in conformity against the requirement listed in  
Annex 1/1 of this certificate:

Certification according requirements stated in:

**QHSE-REG-02.TQR Bureau Veritas  
IND-REP-48-CP Bureau Veritas**

Original Emission Date: 07/11/2017  
Last Emission Date: 31/08/2023  
Expiration Date: 17/04/2025

Subject to the continued satisfactory operation, to check this certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it).  
Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained  
by consulting the organisation.

Firmato digitalmente da

**Fabio Pes**

2023-08-31 18:28:39 +0200

**Scheme Technical Manager**

Date: 31/08/2023

Certificate N°: **1053/001 Rev.4**



PRD N° 009B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC mutual Recognition Agreements



Annex 1/1 to  
Certificate of Conformity

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Bureau Veritas Italia S.p.A. certify that the process of application of coatings have been evaluated and found in conformity against the requirements of the following:

Ductile Iron Pipes for water application
<b>ISO 4179:2005</b> <i>Ductile iron pipes and fittings for pressure and non pressure pipelines Cement mortar lining</i>
<b>ISO 8179-1:2017</b> <i>Ductile iron pipes - External zinc-based coating Part 1: Metallic zinc with finishing layer (130-200 g/m<sup>2</sup>)</i>
<b>ISO 8179-2:2017</b> <i>Ductile iron pipes - External zinc coating Part 2: Zinc rich paint with finishing layer</i>
<b>ISO 16132:2016</b> <i>Ductile iron pipes and fittings – Seal coats for cement mortar lining</i>
<b>EN 545:2006 Annex D.2.3</b> <i>External Coating - Zn-Al alloy 85/15 (400 g/m<sup>2</sup>) with finishing layer</i>
<b>EN 545:2010 Annex D.2.2</b> <i>External Coating - Zn-Al alloy (400 g/m<sup>2</sup>) with finishing layer</i>
<b>EN 14901-1:2014+A1:2019</b> <i>Ductile iron pipes, fittings and accessories Requirements and test methods for organic coatings of ductile iron fittings and accessories - Part 1: Epoxy coating (heavy duty)</i>
<b>External coating of Black Bitumen, Red or Blue Epoxy</b> <i>EN 545:2006 4.4.2 / EN 545:2010 4.5.2 – Including Annex D ISO 2531:1998 4.4.1/ ISO 2531:2009 4.4.1 – Including Annex A</i>

Ductile Iron Pipes for sewerage application
<b>ISO 4179:2005</b> <i>Ductile iron pipes and fittings for pressure and non pressure pipelines Cement mortar lining</i>
<b>ISO 8179-1:2017</b> <i>Ductile iron pipes - External zinc-based coating Part 1: Metallic zinc with finishing layer (130-200 g/m<sup>2</sup>)</i>
<b>ISO 8179-2:2017</b> <i>Ductile iron pipes - External zinc coating Part 2: Zinc rich paint with finishing layer</i>
<b>ISO 16132:2016</b> <i>Ductile iron pipes and fittings – Seal coats for cement mortar lining</i>
<b>EN 14901-1:2014+A1:2019</b> <i>Ductile iron pipes, fittings and accessories Requirements and test methods for organic coatings of ductile iron fittings and accessories - Part 1: Epoxy coating (heavy duty)</i>
<b>External coating of Black Bitumen or Red Epoxy</b> <i>EN 598:2007+A1:2009 4.4.2 - Including Annex B ISO 7186:2011 4.5.2 - Including Annex A</i>

Date: 31/08/2023

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