

## Kitemark™ Certificate

This is to certify that:

Rashmi Metaliks Limited (DIP Division)  
Vill-Gopinathpur  
PO-Changual, Kharagpur,  
Paschim Medinipur  
West Bengal  
721301  
India

Holds Certificate Number:

KM 793696

In respect of:

**BS EN 545**

**Ductile iron pipes, fittings, accessories and their joints for water pipelines**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2023-09-28

Latest Issue: 2023-09-28

Effective Date: 2023-09-28

Expiry Date: 2026-08-23

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# Kitemark™ Certificate

No. KM 793696

**BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines**

Product:	Pipes (non-flange type)														
	Material:	Ductile iron													
	Installation/use:	Above or below Zinc layer followed by either:													
	External coating:	*1 Bitumen *2 Blue epoxy										Internal lining:		*3 Cement	
	Branded as:	RASHMI AQUA													
Description	Nominal size, DN/OD (mm)	Lgth (m)	Pressure rating											Mfg. Loc	
			PN10	PN16	PN25	K9*4	K12*4	C20	C25	C30	C40	C50	C64		C100
Socket and spigot pipes with push-in flexible joints *1, 2* 3*	DN 100 – 300	5.5	–	–	–	✓	✓	–	–	–	✓	–	–	–	001
Socket and spigot pipes with push-in flexible joints *1, 2* 3*	DN 350 - 600	5.5	–	–	–	✓	✓	–	–	✓	–	–	–	–	001
Notes:	*1, *2, *5 External coatings in accordance with BS EN 545 (clause 4.5.2) and holding WRAS material approval. *3, *6 Internal linings in accordance with BS EN 545 (clause 4.5.3) and holding WRAS material approval. *4 Denotes class K9 and K12 are as per BS EN 545:2006.														
General note:	Only products denoted by a '✓' are covered for the specific pressure rating stated.														

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# Kitemark™ Certificate

No. KM 793696

**BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines**

Product:	Pipes (flange type)														
	Material:		Ductile iron												
	Installation/use:		Above or below Zinc layer followed by either:												
	External coating:		*1 Bitumen *2 Blue epoxy					Internal lining:			External coating:				
	Branded as:		RASHMI AQUA												
Description	Nominal size, DN/OD (mm)	Lgth (m)	Pressure rating											Mfg. Loc	
			PN10	PN16	PN25	K9*4	K12*4	C20	C25	C30	C40	C50	C64		C100
Welded flange pipe *1, 2* 3*	DN 100 – 300	≤5.5	✓	✓	–	–	–	–	–	–	–	–	–	–	003
Welded flange pipe *1, 2* 3*	DN 350 – 600	≤5.5	✓	✓	–	–	–	–	–	–	–	–	–	–	003
Notes:	*1, *2, *5 External coatings in accordance with BS EN 545 (clause 4.5.2) and holding WRAS material approval. *3, *6 Internal linings in accordance with BS EN 545 (clause 4.5.3) and holding WRAS material approval. *4 Denotes class K9 and K12 are as per BS EN 545:2006.														
General note:	Only products denoted by a '✓' are covered for the specific pressure rating stated.														

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No. KM 793696

**BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines**

<b>Product:</b>	<b>Fittings (non-flange type)</b>			
	<b>Material:</b>	Ductile iron		
	<b>Installation/use:</b>	Above or below Zinc layer followed by either:		
	<b>External coating:</b>	*1 Bitumen *5 Blue fusion bonded epoxy	<b>Internal lining:</b>	*3 Cement *6 Blue fusion bonded epoxy
	<b>Branded as:</b>	RASHMI		
Description	Nominal Size, DN/OD (mm)	External Coating	Internal Lining	Mfg. Loc.
Double Socket 11° 15' (1/32) Bend	DN 100 – 600	*1, 5*	*3, *6	003
Double Socket 22° 30' (1/16) Bend	DN 100 – 600	*1, 5*	*3, *6	003
Double Socket 45° (1/8) Bend	DN 100 – 600	*1, 5*	*3, *6	003
Double Socket 90° (1/4) Bend	DN 100 – 600	*1, 5*	*3, *6	003
All Socket Tees	DN 100 – 600	*1, 5*	*3, *6	003
Double Socket Tapers	DN 100 – 600	*1, 5*	*3, *6	003
Collars	DN 100 – 600	*1, 5*	*3, *6	003

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A member of BSI Group of Companies.

# Kitemark™ Certificate

No. KM 793696

**BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines**

Product:	Fittings (flange type)						
	Material:		Ductile iron				
	Installation/use:		Above or below Zinc layer followed by either:				
	External coating:		*1 Bitumen *5 Blue fusion bonded epoxy		Internal lining:		*3 Cement *6 Blue fusion bonded epoxy
	Branded as:		RASHMI				
Description	Nominal Size, DN/OD (mm)	External Coating	Internal Coating	Pressure rating			Mfg. Loc.
				PN10	PN16	PN25	
Double Flange 11° 15’ (1/32) Bend	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Double Flange 22° 30’ (1/16) Bend	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Double Flange 45° (1/8) Bend	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Double Flange 90° (1/4) Bend	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Double Flange Duck-Foot 90° (1/4) Bend	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Flanged Socket	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Flanged Spigot	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
All Flanged Tees	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Double Flanged Tapers	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003

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**BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines**

Product:	Fittings (flange type) continued...						
	Material:	Ductile iron					
	Installation/use:	Above or below Zinc layer followed by either:					
	External coating:	*1 Bitumen	Internal lining:	*3 Cement			
		*5 Blue fusion bonded epoxy		*6 Blue fusion bonded epoxy			
Branded as:	RASHMI						
Description	Nominal Size, DN/OD (mm)	External Coating	Internal Coating	Pressure rating			Mfg. Loc.
				PN10	PN16	PN25	
Double Flanged Socket with Flanged branch	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Reducing Flange	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003
Blanking Flange	DN 100 – 600	*1, 5*	*3, *6	✓	✓	—	003

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**BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines**

Manufacturing locations:	Manufacturing reference:	Products manufactured:
Rashmi Metaliks Limited Gokulpur, PO: Shyamraipur Dist. West Midnapore West Bengal 721301 India	001	Pipes (non-flange type)
Rashmi Metaliks Limited (DIP Division) Vill-Gopinathpur PO-Changual,Kharagpur, Paschim Medinipur West Bengal 721301 India	003	Pipes (flange type) Fittings (non-flange type) Fittings (flange type)

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