





This is to certify that:

Hargreaves Foundry Drainage Limited Water Lane South Parade Halifax HX3 9HG United Kingdom

Holds Certificate Number:

KM 684754

In respect of:

BS EN 877 Cast iron pipes and fittings, their joints and accessories, for the evacuation of water from buildings

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: 2018-09-27 Latest Issue: 2024-12-06 Effective Date: 2024-12-06 Expiry Date: 2025-08-16

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No. KM 684754

BS EN 877:1999+A1:2006 / BS EN 877:2021 – Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings - Requirements, test methods and quality assurance

The scope of this Certificate covers the following products.

Socketless Soil & Waste Systems – Halifax Soil range for Above Ground (HS) and Below Ground (HD) use

Product:	<u>Pipes</u>			· · · · · · · · · · · · · · · · · · ·		
	Material: G	Grey iron				
Description	Nominal	Internal	Above	(Soil)	Below	v (Drain)
	SIZA DN	coating	Product code	External coating	Product code	External coating
Double Spigot Pipe - 3000mm length	50	Yellow epoxy	HS2001	*Red epoxy	n/a	n/a
Double Spigot Pipe - 3000mm length	70	Yellow epoxy	HS3001	*Red epoxy	n/a	n/a
Double Spigot Pipe - 3000mm length	100	Yellow epoxy	HS4001	*Red epoxy	HD4001	*Grey epoxy
Double Spigot Pipe - 3000mm length	150	Yellow epoxy	HS6001	*Red epoxy	HD6001	*Grey epoxy
Double Spigot Pipe - 3000mm length	200	Yellow epoxy	HS8001	*Red epoxy	HD8001	*Grey epoxy
Double Spigot Pipe - 3000mm length	250	Yellow epoxy	HS10001	*Red epoxy	HD10001	*Grey epoxy
Double Spigot Pipe - 3000mm length	300	Yellow epoxy	HS12001	*Red epoxy	HD12001	*Grey epoxy

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Product:	Couplings								
	Material: (Grey iron							
	Nominal	Internal	Abov	ve (Soil)	Belov	w (Drain)			
Description	Size, DN (mm)	coating	Product code	External coating	Product code	External coating			
Ductile Iron Coupling	50	Red epoxy	HS2012	*Red epoxy	n/a	n/a			
Ductile Iron Coupling	70	Red epoxy	HS3012	*Red epoxy	n/a	n/a			
Ductile Iron Coupling	100	Red/Grey epoxy	HS4012	*Red epoxy	HD4012	*Grey epoxy			
Ductile Iron Coupling	150	Red/Grey epoxy	HS6012	*Red epoxy	HD6012	*Grey epoxy			
Ductile Iron Coupling	200	Red/Grey epoxy	HS8012	*Red epoxy	HD8012	*Grey epoxy			
Ductile Iron Coupling	250	Red/Grey epoxy	HS10012	*Red epoxy	HD10012	*Grey epoxy			
Ductile Iron Coupling	300	Red/Grey epoxy	HS12012	*Red epoxy	HD12012	*Grey epoxy			
Ductile Iron Coupling with Continuity	100	Grey epoxy	n/a	n/a	HD4012C	*Grey epoxy			
Ductile Iron Coupling with Continuity	150	Grey epoxy	n/a	n/a	HD6012C	*Grey epoxy			
Ductile Iron Coupling with Continuity	200	Grey epoxy	n/a	n/a	HD8012C	*Grey epoxy			
Ductile Iron Coupling with Continuity	250	Grey epoxy	n/a	n/a	HD10012 C	*Grey epoxy			
Ductile Iron Coupling with Continuity	300	Grey epoxy	n/a	n/a	HD12012 C	*Grey epoxy			
Push-fit coupling	100	Red/Grey epoxy	HS4095	*Red epoxy	HD4095	*Grey epoxy			
Push-fit coupling	150	Red/Grey epoxy	HS6095	*Red epoxy	HD6095	*Grey epoxy			

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Product:	Bends	Bends								
	Material:	Material: Grey iron								
Description	Nominal		Abov	e (Soil)	Belov	w (Drain)				
	Size, DN (mm)	Internal coating	Product code	External coating	Product code	External coating				
15° Short Rad Bend	50	Red epoxy	HS2007	*Red epoxy	n/a	n/a				
15° Short Rad Bend	70	Red epoxy	HS3007	*Red epoxy	n/a	n/a				
15° Short Rad Bend	100	Red/Grey epoxy	HS4007	*Red epoxy	HD4007	*Grey epoxy				
15° Short Rad Bend	150	Red/Grey epoxy	HS6007	*Red epoxy	HD6007	*Grey epoxy				
30° Short Rad Bend	50	Red epoxy	HS2006	*Red epoxy	n/a	n/a				
30° Short Rad Bend	70	Red epoxy	HS3006	*Red epoxy	n/a	n/a				
30° Short Rad Bend	100	Red/Grey epoxy	HS4006	*Red epoxy	HD4006	*Grey epoxy				
30° Short Rad Bend	150	Red/Grey epoxy	HS6006	*Red epoxy	HD6006	*Grey epoxy				
45° Short Rad Bend	50	Red epoxy	HS2005	*Red epoxy	n/a	n/a				
45° Short Rad Bend	70	Red epoxy	HS3005	*Red epoxy	n/a	n/a				
45° Short Rad Bend	100	Red/Grey epoxy	HS4005	*Red epoxy	HD4005	*Grey epoxy				
45° Short Rad Bend	150	Red/Grey epoxy	HS6005	*Red epoxy	HD6005	*Grey epoxy				
45° Short Rad Bend	200	Red/Grey epoxy	HS8005	*Red epoxy	HD8005	*Grey epoxy				
45° Short Rad Bend	250	Red/Grey epoxy	HS10005	*Red epoxy	HD10005	*Grey epoxy				

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Product:	Bends									
	Material:	Material: Grey iron								
	Nominal		Abov	re (Soil)	Belov	w (Drain)				
Description	Size, DN (mm)	Internal coating	Product code	External coating	Product code	External coating				
45° Short Rad Bend	300	Red/Grey epoxy	HS12005	*Red epoxy	HD12005	*Grey epoxy				
69° Short Rad Bend	50	Red epoxy	HS2004	*Red epoxy	n/a	n/a				
69° Short Rad Bend	70	Red epoxy	HS3004	*Red epoxy	n/a	n/a				
69° Short Rad Bend	100	Red epoxy	HS4004	*Red epoxy	n/a	n/a				
69° Short Rad Bend	150	Red epoxy	HS6004	*Red epoxy	n/a	n/a				
88° Short Rad Bend	50	Red epoxy	HS2003	*Red epoxy	n/a	n/a				
88° Short Rad Bend	70	Red epoxy	HS3003	*Red epoxy	n/a	n/a				
88° Short Rad Bend	100	Red epoxy	HS4003	*Red epoxy	n/a	n/a				
88° Short Rad Bend	150	Red epoxy	HS6003	*Red epoxy	n/a	n/a				
88° Short Rad Bend	200	Red epoxy	HS8003	*Red epoxy	n/a	n/a				
88° Short Rad Bend	250	Red epoxy	HS10003	*Red epoxy	n/a	n/a				
88° Short Rad Bend	300	Red epoxy	HS12003	*Red epoxy	n/a	n/a				
88°Short Rad Bend BD	70	Red epoxy	HS3010	*Red epoxy	n/a	n/a				
88° Short Rad Bend BD	100	Red epoxy	HS4010	*Red epoxy	n/a	n/a				
88° Short Rad Bend BD	150	Red epoxy	HS6010	*Red epoxy	n/a	n/a				
45° Medium Rad Bend	100	Grey epoxy	n/a	n/a	HD4015	*Grey epoxy				
45° Medium Rad Bend	150	Grey epoxy	n/a	n/a	HD6015	*Grey epoxy				
22° Long Rad Bend	100	Red/Grey epoxy	HS4009	*Red epoxy	HD4009	*Grey epoxy				
88° Long Rad Bend	100	Red/Grey epoxy	HS4008	*Red epoxy	HD4008	*Grey epoxy				

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Product:	Bends (continued)									
	Material:	Material: Grey iron								
Description	Nominal		Abov	e (Soil)	Belov	w (Drain)				
	Size, DN (mm)	Internal coating	Product code	External coating	Product code	External coating				
88° Long Rad Bend	150	Red/Grey epoxy	HS6008	*Red epoxy	HD6008	*Grey epoxy				
88° Long Rad Bend BD	100	Red/Grey epoxy	HS4011	*Red epoxy	HD4011	*Grey epoxy				
88° Long Rad Bend BD	150	Red/Grey epoxy	HS6011	*Red epoxy	HD6011	*Grey epoxy				
88° Long Rad Bend HR	100	Grey epoxy	n/a	n/a	HD4014	*Grey epoxy				
88° Long Rad Bend HR	150	Grey epoxy	n/a	n/a	HD6014	*Grey epoxy				
88° Rad Bend Long Tail	100	Red epoxy	HS4013	*Red epoxy	n/a	n/a				
88° Long Tail Bend	50	Red epoxy	HS2013L	*Red epoxy	n/a	n/a				
88° Long Tail Bend	70	Red epoxy	HS3016	*Red epoxy	n/a	n/a				
88° Long Tail Bend	100	Red epoxy	HS4013L	*Red epoxy	n/a	n/a				
88° Long Tail Double Bend	100	Red epoxy	HS4014	*Red epoxy	n/a	n/a				
88° Long Tail Double Bend	150	Red epoxy	HS6014	*Red epoxy	n/a	n/a				

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Product:	Branches								
	Material: Grey iron								
	Nominal		Abov	ve (Soil)	Belov	w (Drain)			
Description	Size, DN (mm)	Internal coating	Product code	External coating	Product code	External coating			
45° Branches - Single Equal	50 x 50	Red epoxy	HS2026	*Red epoxy	n/a	n/a			
45° Branches - Single Unequal	70 x 50	Red epoxy	HS3026	*Red epoxy	n/a	n/a			
45° Branches - Single Equal	70 x 70	Red epoxy	HS3027	*Red epoxy	n/a	n/a			
45° Branches - Single Unequal	100 x 50	Red epoxy	HS4026	*Red epoxy	n/a	n/a			
45° Branches - Single Unequal	100 x 70	Red epoxy	HS4027	*Red epoxy	n/a	n/a			
45° Branches - Single Equal	100 x 100	Red/Grey epoxy	HS4028	*Red epoxy	HD4028	*Grey epoxy			
45° Branches - Single Unequal	150 x 70	Red epoxy	HS6028	*Red epoxy	n/a	n/a			
45° Branches - Single Unequal	150 x 100	Red/Grey epoxy	HS6026	*Red epoxy	HD6026	*Grey epoxy			
45° Branches - Single Equal	150 x 150	Red/Grey epoxy	HS6027	*Red epoxy	HD6027	*Grey epoxy			
45° Branches - Single Unequal	200 x 100	Red/Grey epoxy	HS8026	*Red epoxy	HD8026	*Grey epoxy			
45° Branches - Single Unequal	200 x 150	Red/Grey epoxy	HS8027	*Red epoxy	HD8027	*Grey epoxy			
45° Branches - Single Equal	200 x 200	Red/Grey epoxy	HS8028	*Red epoxy	HD8028	*Grey epoxy			
45° Branches - Single Equal	250 x 250	Red/Grey epoxy	HS10028	*Red epoxy	HD10028	*Grey epoxy			
45° Branches - Single Equal	300 x 300	Red/Grey epoxy	HS12028	*Red epoxy	HD12028	*Grey epoxy			

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Product:	Branches (continued) Material: Grey iron							
	Nominal	Internal	Abov	e (Soil)	Below (Drain)			
Description	Size, DN (mm)	coating	Product code	External coating	Produc t code	External coating		
69° Branches - Single Equal	50 x 50	Red epoxy	HS2023	*Red epoxy	n/a	n/a		
69° Branches - Single Unequal	70 x 50	Red epoxy	HS3023	*Red epoxy	n/a	n/a		
69° Branches - Single Unequal	100 x 50	Red epoxy	HS4023	*Red epoxy	n/a	n/a		
69° Branches - Single Unequal	150 x 100	Red/Grey epoxy	HS6023	*Red epoxy	HD6023	*Grey epoxy		
69° Branches - Single Equal	70 x 70	Red epoxy	HS3024	*Red epoxy	n/a	n/a		
69° Branches - Single Unequal	100 x 70	Red epoxy	HS4024	*Red epoxy	n/a	n/a		
69° Branches - Single Equal	100 x 100	Red/Grey epoxy	HS4025	*Red epoxy	HD4025	*Grey epoxy		
88° Branches - Single Equal	50 x 50	Red epoxy	HS2020	*Red epoxy	n/a	n/a		
88° Branches - Single Unequal	70 x 50	Red epoxy	HS3020	*Red epoxy	n/a	n/a		
88° Branches - Single Equal	70 x 70	Red epoxy	HS3021	*Red epoxy	n/a	n/a		
88° Branches - Single Unequal	100 x 50	Red epoxy	HS4020	*Red epoxy	n/a	n/a		
88° Branches - Single Unequal	100 x 70	Red epoxy	HS4021	*Red epoxy	n/a	n/a		
88° Branches - Single Equal	100 x 100	Red epoxy	HS4022	*Red epoxy	n/a	n/a		
88° Branches - Single Unequal	150 x 100	Red epoxy	HS6020	*Red epoxy	n/a	n/a		
88° Branches - Single Equal	150 x 150	Red epoxy	HS6021	*Red epoxy	n/a	n/a		
88° Branches - Single Equal	200 x 200	Red epoxy	HS8020	*Red epoxy	n/a	n/a		

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Product:	Branches (continued)								
	Material: Grey iron								
	Nominal	Internal	Abov	e (Soil)	Belo	w (Drain)			
Description	Size, DN (mm)	coating	Product code	External coating	Product code	External coating			
88° Branches - Single Equal	250 x 250	Red epoxy	HS10020	*Red epoxy	n/a	n/a			
88° Branches - Single Equal	300 x 300	Red epoxy	HS12020	*Red epoxy	n/a	n/a			
88° Single Equal - RC	100 x 100	Red/Grey epoxy	HS4030	*Red epoxy	HD4030	*Grey epoxy			
88° Single Unequal - RC	150 x 100	Red/Grey epoxy	HS6030	*Red epoxy	HD6030	*Grey epoxy			
88° Single Equal - RC	150 x 150	Red/Grey epoxy	HS6031	*Red epoxy	HD6031	*Grey epoxy			
88° Single Equal - RC - BD	100 x 100	Red/Grey epoxy	HS4032	*Red epoxy	HD4032	*Grey epoxy			
88° Single Unequal - RC - BD	150 x 100	Red/Grey epoxy	HS6032	*Red epoxy	HD6032	*Grey epoxy			
88° Single Equal - RC - BD	150 x 150	Red/Grey epoxy	HS6033	*Red epoxy	HD6033	*Grey epoxy			
45° Double Branch Equal	100 x 100	Red/Grey epoxy	HS4036	*Red epoxy	HD4036	*Grey epoxy			
45° Double Branch Unequal	150 x 100	Red/Grey epoxy	HS6036	*Red epoxy	HD6036	*Grey epoxy			
45° Double Branch Equal	150 x 150	Red/Grey epoxy	HS6037	*Red epoxy	HD6037	*Grey epoxy			
45° Double Branch Equal	200 x 200	Red/Grey epoxy	HS8036	*Red epoxy	HD8036	*Grey epoxy			
69° Double Branch Equal	100 x 100	Red/Grey epoxy	HS4035	*Red epoxy	HD4035	*Grey epoxy			
88° Double Branch Equal	100 x 100	Red epoxy	HS4034	*Red epoxy	n/a	n/a			

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Product:	Branches (continued)									
	Material: Gre	Material: Grey iron								
Description	Nominal	Internal	Abov	ve (Soil)	Belov	v (Drain)				
	Size, DN (mm)	Internal coating	Product code	External coating	Product code	External coating				
88° Double Branch Equal - RC - BD	100 x 100	Red/Grey epoxy	HS4038	*Red epoxy	HD4038	*Grey epoxy				
88° Double Branch Unequal - RC - BD	150 x 100	Red/Grey epoxy	HS6038	*Red epoxy	HD6038	*Grey epoxy				
88° Corner Branch	100 x 70 x 70	Red epoxy	HS4031	*Red epoxy	n/a	n/a				
88° Corner Branch Equal - Short Tail	100 x 100	Red epoxy	HS4042	*Red epoxy	n/a	n/a				
88° Single Branch Equal - Long Tail	100 x 100	Red epoxy	HS4040	*Red epoxy	n/a	n/a				
88° Corner Branch Equal - Long Tail	100 x 100	Red epoxy	HS4041	*Red epoxy	n/a	n/a				
Long tail 4 Boss Branch Equal	100	Red epoxy	HS4059	*Red epoxy	n/a	n/a				

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Product:	<u>Fittings</u>								
	Material: Grey iron								
	Nominal	Internal	Abov	ve (Soil)	Below (Drain)				
Description	Size, DN (mm)	coating	Product code	External coating	Product code	External coating			
Access Pipe - Round Door	50	Red epoxy	HS2043	*Red epoxy	n/a	n/a			
Access Pipe - Round Door	70	Red epoxy	HS3043	*Red epoxy	n/a	n/a			
Access Pipe - Round Door	100	Red/Grey epoxy	HS4043	*Red epoxy	HD4043	*Grey epoxy			
Access Pipe - Round Door	150	Red/Grey epoxy	HS6043	*Red epoxy	HD6043	*Grey epoxy			
Access Pipe - Rectangular Door	100	Red/Grey epoxy	HS4049	*Red epoxy	HD4049	*Grey epoxy			
Access Pipe - Rectangular Door	150	Red/Grey epoxy	HS6049	*Red epoxy	HD6049	*Grey epoxy			
Access Pipe - Rectangular Door	200	Red/Grey epoxy	HS8049	*Red epoxy	HD8049	*Grey epoxy			
Access Pipe - Rectangular Door	250	Red/Grey epoxy	HS10049	*Red epoxy	HD10049	*Grey epoxy			
Access Pipe - Rectangular Door	300	Red/Grey epoxy	HS12049	*Red epoxy	HD12049	*Grey epoxy			
Offset 130-230	50	Red epoxy	HS2045	*Red epoxy	n/a	n/a			
Offset 130-250	70	Red epoxy	HS3045	*Red epoxy	n/a	n/a			
Offset 75-215	100	Red epoxy	HS4044	*Red epoxy	n/a	n/a			
Offset 130-270	100	Red epoxy	HS4045	*Red epoxy	n/a	n/a			
Pipes - Taper	70 x 50	Red epoxy	HS3046	*Red epoxy	n/a	n/a			
Pipes - Taper	100 x 50	Red epoxy	HS4046	*Red epoxy	n/a	n/a			

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Product:	<u>Fittings</u> (c	<u>Fittings</u> (continued) Material: Grey iron							
	Material:								
	Nominal	Internal coating	Abov	e (Soil)	Belov	w (Drain)			
Description	Size, DN (mm)		Product code	External coating	Product code	External coating			
Pipes - Taper	100 x 70	Red epoxy	HS4047	*Red epoxy	n/a	n/a			
Pipes - Taper	150 x 50	Red epoxy	HS6046	*Red epoxy	n/a	n/a			
Pipes - Taper	150 x 70	Red epoxy	HS6047	*Red epoxy	n/a	n/a			
Pipes - Taper	150 x 100	Red/Grey epoxy	HS6048	*Red epoxy	HD6048	*Grey epoxy			
Pipes - Taper	200 x 100	Red/Grey epoxy	HS8046	*Red epoxy	HD8046	*Grey epoxy			
Pipes - Taper	200 x 150	Red/Grey epoxy	HS8047	*Red epoxy	HD8047	*Grey epoxy			
Pipes - Taper	250 x 100	Red/Grey epoxy	HS10046	*Red epoxy	HD10046	*Grey epoxy			
Pipes - Taper	250 x 150	Red/Grey epoxy	HS10047	*Red epoxy	HD10047	*Grey epoxy			
Pipes - Taper	250 x 200	Red/Grey epoxy	HS10048	*Red epoxy	HD10048	*Grey epoxy			
Pipes - Taper	300 x 150	Red/Grey epoxy	HS12046	*Red epoxy	HD12046	*Grey epoxy			
Pipes - Taper	300 x 200	Red/Grey epoxy	HS12047	*Red epoxy	HD12047	*Grey epoxy			
Pipes - Taper	300 x 250	Red/Grey epoxy	HS12048	*Red epoxy	HD12048	*Grey epoxy			

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Product:	<u>Fittings</u> (continued) Material: Grey iron							
	Nominal	Internal coating	Abov	ve (Soil)	Below (Drain)			
Description	Size, DN (mm)		Product code	External coating	Product code	External coating		
Trap - Bottom Access	50	Red epoxy	HS2050	*Red epoxy	n/a	n/a		
Trap - Bottom Access	70	Red epoxy	HS3050	*Red epoxy	n/a	n/a		
Trap - Bottom Access	100	Red/Grey epoxy	HS4050	*Red epoxy	HD4050	*Grey epoxy		
Trap - Bottom Access	150	Red/Grey epoxy	HS6050	*Red epoxy	HD6050	*Grey epoxy		
Plain P-Trap	100	Red/Grey epoxy	HS4080	*Red epoxy	HD4080	*Grey epoxy		
End Cap Blank End	50	Red epoxy	HS2051	*Red epoxy	n/a	n/a		
End Cap Blank End	70	Red epoxy	HS3051	*Red epoxy	n/a	n/a		
End Cap Blank End	100	Red/Grey epoxy	HS4051	*Red epoxy	HD4051	*Grey epoxy		
End Cap Blank End	150	Red/Grey epoxy	HS6051	*Red epoxy	HD6051	*Grey epoxy		
End Cap Blank End	200	Red/Grey epoxy	HS8051	*Red epoxy	HD8051	*Grey epoxy		
End Cap Blank End	250	Red/Grey epoxy	HS10051	*Red epoxy	HD10051	*Grey epoxy		
End Cap Blank End	300	Red/Grey epoxy	HS12051	*Red epoxy	HD12051	*Grey epoxy		
End Cap Blank Ends - Drilled & Tapped	100	Red/Grey epoxy	HS4052	*Red epoxy	HD4052	*Grey epoxy		

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No. KM 684754

BS EN 877:1999+A1:2006 / BS EN 877:2021 - Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings - Requirements, test methods and quality assurance

Product:	<u>Fittings</u> (continued) Material: Grey iron						
Description	Nominal Size, DN (mm)	Internal coating	Above (Soil)		Below (Drain)		
			Product code	External coating	Product code	External coating	
End Cap Blank Ends - Drilled & Tapped	150	Red/Grey epoxy	HS6052	*Red epoxy	HD6052	*Grey epoxy	
Boss Pipe - Single Boss	70	Red epoxy	HS3053	*Red epoxy	n/a	n/a	
Boss Pipe - Single Boss	100	Red epoxy	HS4053	*Red epoxy	n/a	n/a	
Boss Pipe - Single Boss	150	Red epoxy	HS6053	*Red epoxy	n/a	n/a	
Boss Pipe - 2 Bosses opposed	100	Red epoxy	HS4054	*Red epoxy	n/a	n/a	
Boss Pipe - 2 Bosses at 90°	100	Red epoxy	HS4055	*Red epoxy	n/a	n/a	
Stack Support Pipe	70	Red epoxy	HS3056	*Red epoxy	n/a	n/a	
Stack Support Pipe	100	Red epoxy	HS4056	*Red epoxy	n/a	n/a	
Stack Support Pipe	150	Red epoxy	HS6056	*Red epoxy	n/a	n/a	
Stack Support Pipe	200	Red epoxy	HS8056	*Red epoxy	n/a	n/a	
Stack Support Bracket	70	Red epoxy	HS3057	*Red epoxy	n/a	n/a	
Stack Support Bracket	100	Red epoxy	HS4057	*Red epoxy	n/a	n/a	
Stack Support Bracket	150	Red epoxy	HS6057	*Red epoxy	n/a	n/a	
Stack Support Bracket	200	Red epoxy	HS8057	*Red epoxy	n/a	n/a	
Soil Manifold Connector	100	Red epoxy	HS4058	*Red epoxy	n/a	n/a	
Compression Boss Pipe	70	Red epoxy	HS3090	*Red epoxy	n/a	n/a	
Compression Boss Pipe	100	Red epoxy	HS4090	*Red epoxy	n/a	n/a	
Compression Boss Pipe	150	Red epoxy	HS6090	*Red epoxy	n/a	n/a	

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Product:	Fittings (continued)							
	Material: Grey iron							
Description	Nominal Size, DN (mm)	Internal coating	Above (Soil)		Below (Drain)			
			Product code	External coating	Product code	External coating		
Compression Boss Pipe - 2 Bosses at 90°	100	Red epoxy	HS4091	*Red epoxy	n/a	n/a		
Compression Boss Pipe - 2 Bosses Opposed	100	Red epoxy	HS4092	*Red epoxy	n/a	n/a		
Bellmouth Gully Inlet	100	Grey epoxy	n/a	n/a	HD4070	*Grey epoxy		
Bellmouth Gully Inlet With secured grate	100	Grey epoxy	n/a	n/a	HD4071	*Grey epoxy		
Gully Inlet	150	Grey epoxy	n/a	n/a	HD6071	*Grey epoxy		
Gully with secured grate	150	Grey epoxy	n/a	n/a	HD6073	*Grey epoxy		
Puddle Flange	100	Grey epoxy	n/a	n/a	HD4078	*Grey epoxy		
Puddle Flange	150	Grey epoxy	n/a	n/a	HD6078	*Grey epoxy		
Puddle Flange	200	Grey epoxy	n/a	n/a	HD8078	*Grey epoxy		
Puddle Flange	250	Grey epoxy	n/a	n/a	HD10078	*Grey epoxy		
Puddle Flange	300	Grey epoxy	n/a	n/a	HD12078	*Grey epoxy		
Inspection Chamber - Round - 2 Branch	100 x 100	Grey epoxy	n/a	n/a	HD4480	*Grey epoxy		
Inspection Chamber - Round - 2 Branch	150 x 100	Grey epoxy	n/a	n/a	HD6480	*Grey epoxy		
Inspection Chamber - Round - 2 Branch	150 x 150	Grey epoxy	n/a	n/a	HD6680	*Grey epoxy		
Inspection Chamber - Rectangular - 2 Branch	100 x 100	Grey epoxy	n/a	n/a	HD4481	*Grey epoxy		

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Product:		<u>Fittings</u> (continued) Material: Grey iron							
Description	Nominal	Internal coating	Above (Soil)		Below (Drain)				
	Size, DN (mm)		Product code	External coating	Product code	External coating			
Inspection Chamber - Rectangular - 2 Branch	150 x 100	Grey epoxy	n/a	n/a	HD6481	*Grey epoxy			
Inspection Chamber - Rectangular - 2 Branch	150 x 150	Grey epoxy	n/a	n/a	HD6681	*Grey epoxy			
Inspection Chamber – Rectangular - 4 Branch	100 x 100	Grey epoxy	n/a	n/a	HD4482	*Grey epoxy			
Inspection Chamber - Rectangular - 4 Branch	150 x 100	Grey epoxy	n/a	n/a	HD6482	*Grey epoxy			
Inspection Chamber - Rectangular - 4 Branch	150 x 150	Grey epoxy	n/a	n/a	HD6682	*Grey epoxy			

Note: *This Certificate does not cover the compatibility of the external coating with other paints

Key:

Rad = Radius BD = Back Door

Manufacturing location:

RC = Radius Curve HR = Heel Rest

KunYu Foundry North of Zhongyingjing Village Shangtuan Urban and Rural, Wuan Handan City Hebei China

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