

Kitemark™ Certificate

This is to certify that:

ESL Steel Limited
(part of Vedanta Group)
Village: Siyaljori, P.O - Jogidh
OP - Bangaria, P.S - Chandankyari
Dist.-Bokaro
Jharkhand
828 303
India

Holds Certificate Number:

KM 636962

In respect of:

BS ISO 2531
Ductile iron pipes, fittings, accessories and their joints for water applications

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: 2016-04-22

Latest Issue: 2024-03-11

Effective Date: 2024-03-11

Expiry Date: 2027-02-28



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Kitemark™ Certificate

No. KM 636962

BS ISO 2531:2009 - Ductile iron pipes, fittings, accessories and their joints for water applications

Product:	Pipes Material: Ductile iron (centrifugally cast) Installation/use: Above or below Zinc layer followed by: External coating: *1 Black Bitumen Internal lining: *2 Cement Branded as: ESL									
Description	Nominal size, DN/OD (mm)	Lgth (m)	Pressure rating							
			K9^{*3}	C20	C25	C30	C40	C50	C64	C100
Socket and spigot pipes with push-in flexible joints *1, 2*	DN 100 – 250	5.5; 6.0	✓				✓			
Socket and spigot pipes with push-in flexible joints *1, 2*	DN 300 – 600	5.5; 6.0	✓			✓	-			
Socket and spigot pipes with push-in flexible joints *1, 2*	DN 700 – 1200	5.5; 6.0	✓		✓	-	-			
Notes: General note:	*1 External coatings in accordance with BS ISO 2531:2009 (clause 4.5.1) and holding WRAS material approval. *2 Internal linings in accordance with BS ISO 2531:2009 (clause 4.5.2) and holding WRAS material approval. *3 Denotes class K9 as per BS ISO 2531:1998. Only products denoted by a '✓' are covered for the specific pressure rating stated.									

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 To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

Kitemark™ Certificate

No. KM 636962

BS ISO 2531:2009 - Ductile iron pipes, fittings, accessories and their joints for water applications

Product:	Pipes Material: Ductile iron (centrifugally cast) Installation/use: Above or below Zinc layer followed by: External coating: *1 Black Bitumen Internal lining: *2 Cement Branded as: ESL						
Description	Nominal size, DN/OD (mm)	Lgth (m)	<table border="1" style="width:100%; text-align:center;"> <tr> <th colspan="2">Pressure rating</th> </tr> <tr> <td style="width:50%;">K9*3</td> <td style="width:50%;">C16*4</td> </tr> </table>	Pressure rating		K9 *3	C16 *4
Pressure rating							
K9 *3	C16 *4						
Socket and spigot pipes with restrained flexible joints *1, *2	DN 1100 – 1200	5.5; 6.0	<table border="1" style="width:100%; text-align:center;"> <tr> <td style="width:50%;">✓</td> <td style="width:50%;">✓</td> </tr> </table>	✓	✓		
✓	✓						
Notes: General note:	*1 External coatings in accordance with BS ISO 2531:2009 (clause 4.5.1) and holding WRAS material approval. *2 Internal linings in accordance with BS ISO 2531:2009 (clause 4.5.2) and holding WRAS material approval. *3 Denotes class K9 as per BS ISO 2531:1998. *4 PFA value as declared by manufacturer for restrained type joint, limited to C16. Only products denoted by a '✓' are covered for the specific pressure rating stated.						

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