



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3206	1-Dec-2017	Number 10	Issue date 13-Apr-2023	30-Apr-2024

Product designation

Surya, ASTM A135/A53 Series, Schedule 10, steel fire protection pipe

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Surya Roshni Limited
Prakesh Nagar, Sankhol, BAHADURGARH, HARYANA, INDIA, 124507

Registrant

Surya Roshni Limited
Prakesh Nagar, Sankhol, BAHADURGARH, HARYANA, INDIA, 124507

Producer

Surya Roshni Limited
Prakesh Nagar, Sankhol, BAHADURGARH, HARYANA, INDIA, 124507

Manufacturing unit (Primary)

Surya Roshni Limited
Survey No. 188, Anjar Mundra Highway, Bhuvad, Anjar, KUTCH, GUJARAT, INDIA, 370130

Conformance criteria and evaluation

The Surya, ASTM A135/A53 Series, Schedule 10, steel fire protection pipe has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. ASTM A53/A53M, 'Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless'.
2. ASTM A135/A135M, 'Standard Specification for Electric-Resistance-Welded Steel Pipe'.
3. Underwriters Laboratories - Evaluation and listing, 'UL listing'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. System design and installation shall be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction.

(Limitations/conditions of conformance continue)

Issued by

Kaj Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	
afp - 3206	1-Dec-2017	Number 10	Issue date 13-Apr-2023	30-Apr-2024	Page 2 of 3

- ii. System design and installation requirements may specify a minimum wall thickness that precludes the use of some of the scheduled pipe sizes for certain applications and locations.
- iii. The dimensional and mechanical compatibility of pipes must be verified with the sizes of components by which they are connected or to which they connect.
- iv. The hot-dip galvanizing coating has not been accessed for conformance under the ActivFire® Scheme and is not part of this certification.

Producer's description

The production and physical characteristics of Surya, ASTM A135/A53 Series, Schedule 10, steel fire protection pipe are summarised as follows:

- The HDG coating is to AS/NZS 4792 and AS/NZS 4680.

Technical specification

The following details are a representative extract of the technical specification for the Surya, ASTM A135/A53 Series, Schedule 10, steel fire protection pipe and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

DN	Inch	OD	Thickness	Surface finish options
65	2½"	73.03 mm (2.875")	3.048 mm (0.120")	Black/Galvanised
80	3"	88.90 mm (3.5")	3.048 mm (0.120")	Black/Galvanised
100	4"	114.3 mm (4.5")	3.048 mm (0.120")	Black/Galvanised
150	6"	165.1 mm (6.500")	3.40 mm (0.138")	Black/Galvanised
		168.2 mm (6.625")	3.40 mm (0.134")	Black/Galvanised
200	8"	219.1 mm (8.625")	4.78 mm (0.188")	Black/Galvanised
250	10"	273.1 mm (10.75")	4.78 mm (0.188")	Black/Galvanised

Schedule of properties/characteristics

Chemical properties	
Composition, Max %	
Carbon	0.30%
Manganese	1.20%
Phosphorus	0.035%
Sulfur	0.035%
Physical properties	
Tensile Strength, Min.	415 N/mm ² (MPa)
Yield Strength, Min.	240 N/mm ² (MPa)
Elongation, Min.,%	Reference ASTM A135

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3206	1-Dec-2017	Number 10	Issue date 13-Apr-2023	30-Apr-2024
				Page 3 of 3

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
File ref.	VIZY.EX15061	VIZY.EX15061 Metallic Sprinkler Pipe <small>(ul_w3_VIZY.EX15061_v_2017-11-30.pdf)</small>	30-Nov-2017	Underwriters Laboratories Inc., US; Certifications Directory
File No.	EX15061	Procedure And/Or Report Material Schedule 10 (black or galvanized) steel sprinkler pipe in 2- 1/2, 3, 4, 6, 8 and 10 in. nominal pipe sizes	29-Aug-2017	UL India Private Limited
TC No.	SGSTL/QA/ASTM/2017/... 0725 DTD.24.06..2017 0726 DTD.24.06.2017 0727 DTD.24.06.2017 0728 DTD.24.06.2017 0729 DTD.24.06.2017 0730 DTD.24.06.2017	Surya Global Steel Tubes Limited Manufacturer's Test Certificates MS ERW Black steel pipes, Plain Ends of size 2 1/2" OD X 3.05 mm WT, Grade B in Length 6.95 to 7.05 Mtr. MS ERW Black steel pipes, Plain Ends of size 3" OD X 3.05 mm WT, Grade B in Length 4.00 to 7.00 Mtr. MS ERW Black steel pipes, Plain Ends of size 4" OD X 3.05 mm WT, Grade B in Length 6.00 to 6.05 Mtr. MS ERW Black steel pipes, Plain Ends of size 6" OD X 3.40 mm WT, Grade B in Length 6.50 to 6.55 Mtr. MS ERW Black steel pipes, Plain Ends of size 8" OD X 4.78 mm WT, Grade B in Length 5.75 to 5.85 Mtr. MS ERW Black steel pipes, Plain Ends of size 10" OD X 4.78 mm WT, Grade B in Length 5.75 to 5.85 Mtr.	24-Jun-2017	Surya Global Steel Tubes Ltd, IN