



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
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Product designation

Good Luck, AS 1074 Series, steel fire sprinkler/hydrant pipe

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

Agent/distributor

Croft Steel Traders Pty Ltd
1/8 Reichert Drive, MOLENDINAR, QLD, AUSTRALIA, 4214

Registrant

Good Luck India Limited
A - 42 & 45, INDUSTRIAL AREA, SIKANDRABAD, UTTAR PRADESH, INDIA, 203205

Producer

Good Luck India Limited
A - 42 & 45, INDUSTRIAL AREA, SIKANDRABAD, UTTAR PRADESH, INDIA, 203205

Conformance criteria and evaluation

The Good Luck, AS 1074 Series, steel fire sprinkler/hydrant pipe has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1074-1989, 'Steel tubes and tubulars for ordinary service'.
2. Australian Standard AS 4118.2.1-1995, 'Fire sprinkler systems - Piping - General' incl. Amdt 1 (22 June 2005).
3. Australian Standard AS 2419.1-2005, 'Fire hydrant installations - System design, installation and commissioning'.

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.
- 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.

(Limitations/conditions of conformance continue)

Issued by

Kai Loh

Executive Officer – ActivFire Scheme



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- 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. When specified, the manufacturing unit shall provide a mill test certificate for conformance validation of a pipe supply order.

Technical specification

The following details are a representative extract of the technical specification for the Good Luck, AS 1074 Series, steel fire sprinkler/hydrant 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	Class	OD min	OD max	Thickness	Surface finish options
15	½"	Light	21.0 mm	21.4 mm	2.00 mm	Black/galvanized/painted
20	¾"	Light	26.4 mm	26.9 mm	2.30 mm	Black/galvanized/painted
25	1"	Light	33.2 mm	33.8 mm	2.60 mm	Black/galvanized/painted
32	1¼"	Light	41.9 mm	42.5 mm	2.60 mm	Black/galvanized/painted
40	1½"	Light	47.8 mm	48.4 mm	2.90 mm	Black/galvanized/painted
50	2"	Light	59.6 mm	60.2 mm	2.90 mm	Black/galvanized/painted
65	2½"	Light	75.2 mm	76.0 mm	3.20 mm	Black/galvanized/painted
80	3"	Light	87.9 mm	88.7 mm	3.20 mm	Black/galvanized/painted
100	4"	Light	113.0 mm	113.9 mm	3.60 mm	Black/galvanized/painted
100	4"	Light (3.2)	113.3 mm	114.9 mm	3.20 mm	Black/galvanized/painted
150	6"	Light	165.1 mm	165.1 mm	3.50 mm	Black/galvanized/painted
200*	8"	Light	219.1 mm	219.1 mm	4.80 mm	Black/galvanized/painted
15	½"	Medium	21.1 mm	21.7 mm	2.60 mm	Black/galvanized/painted
20	¾"	Medium	26.6 mm	27.2 mm	2.60 mm	Black/galvanized/painted
25	1"	Medium	33.4 mm	34.2 mm	3.20 mm	Black/galvanized/painted
32	1¼"	Medium	42.1 mm	42.9 mm	3.20 mm	Black/galvanized/painted
40	1½"	Medium	48.0 mm	48.8 mm	3.20 mm	Black/galvanized/painted
50	2"	Medium	59.8 mm	60.8 mm	3.60 mm	Black/galvanized/painted
65	2½"	Medium	75.4 mm	76.6 mm	3.60 mm	Black/galvanized/painted
80	3"	Medium	88.1 mm	89.5 mm	4.00 mm	Black/galvanized/painted
100	4"	Medium	113.3 mm	114.9 mm	4.50 mm	Black/galvanized/painted
125	5"	Medium	138.7 mm	140.6 mm	5.00 mm	Black/galvanized/painted
150	6"	Medium	164.1 mm	166.1 mm	5.00 mm	Black/galvanized/painted
15	½"	Heavy	21.1 mm	21.7 mm	3.20 mm	Black/galvanized/painted
20	¾"	Heavy	26.6 mm	27.2 mm	3.20 mm	Black/galvanized/painted
25	1"	Heavy	33.4 mm	34.2 mm	4.00 mm	Black/galvanized/painted
32	1¼"	Heavy	42.1 mm	42.9 mm	4.00 mm	Black/galvanized/painted
40	1½"	Heavy	48.0 mm	48.8 mm	4.00 mm	Black/galvanized/painted
50	2"	Heavy	59.8 mm	60.8 mm	4.50 mm	Black/galvanized/painted
65	2½"	Heavy	75.4 mm	76.6 mm	4.50 mm	Black/galvanized/painted
80	3"	Heavy	88.1 mm	89.5 mm	5.00 mm	Black/galvanized/painted
100	4"	Heavy	113.3 mm	114.9 mm	5.40 mm	Black/galvanized/painted
125	5"	Heavy	138.7 mm	140.6 mm	5.40 mm	Black/galvanized/painted
150	6"	Heavy	164.1 mm	166.1 mm	5.40 mm	Black/galvanized/painted

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Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Yield strength (min)	195 MPa minimum
Ultimate Tensile Strength	320 to 460 MPa
Elongation	20% minimum
Chemical	
Phosphorous	0.045% max
Sulphur	0.045% max
Carbon Equivalent	0.40% max
Galvanising, if specified	Hot-dip galvanized coating conforms with AS/NZS 4792, coating class HDG300. Minimum average coating mass of 300 g/m ² of pipe surface.