



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1013	2-Aug-1996	Number 7+	Issue date 1-Apr-2011	30-Apr-2013

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Product designation

Lite-Fire, AS4041 Class 3, fire sprinkler reticulation - pipe

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

Agent/distributor

Australian Tube Mills Pty Limited
146 Ingram Road, ACACIA RIDGE, QLD, AUSTRALIA, 4110

Registrant

Australian Tube Mills Pty Limited
146 Ingram Road, ACACIA RIDGE, QLD, AUSTRALIA, 4110

Producer

Australian Tube Mills Pty Limited
146 Ingram Road, ACACIA RIDGE, QLD, AUSTRALIA, 4110

Conformance criteria and evaluation

The Lite-Fire, AS4041 Class 3, fire sprinkler reticulation - pipe has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. SSL Appraisal Specification FAS-106, Version 1.3, 'AS 4041 Light Steel Pipe for Fire Protection Systems'.
2. Australian Standard AS 4118.2.1-1995, 'Fire sprinkler systems - Piping - General'.
3. Australian Standard AS 4041-1992, 'Pressure piping' incl. Amdt 1 (August 1994).

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. Fire sprinkler system designers and authorities having jurisdiction must confirm that the codes or standards used for the system design adequately address the hydraulic characteristics of this product.
- ii. Full hydraulic analysis is an approved and recommended method of determining whether system performance will meet design requirements.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Lite-Fire, AS4041 Class 3, fire sprinkler reticulation - pipe is lightweight steel pipe with increased mechanical properties and is intended for use in fire protection systems. It is protected externally and internally by a galvanised coating applied by the hot dipping process, or only externally by spray-applied red-oxide type primer.

This pipe is produced to manufacturing specification SSTM 9601 "Light Fire Pipe".

It is suitable for jointing with rolled groove coupling systems, shouldered-end coupling systems, or plain-end coupling systems.

Technical specification

The following details are a representative extract of the technical specification for the Lite-Fire, AS4041 Class 3, fire sprinkler reticulation - pipe and may be subject to change. Complete and current details should be determined from the designated supplier's/manufacture's technical manual/data sheets.

The Lite-Fire, AS4041 Class 3, fire sprinkler reticulation - pipe is manufactured by using electric resistance welding method in accordance with the requirements of SSL Appraisal Specification FAS-106:Version 1.3, 'AS 4041 Light Steel Pipe for Fire Protection Systems' as derived from Australian Standard AS 4118.2.1-1995 'Fire Sprinkler Systems, Piping' and AS 4041-1998 incl. amendment No. 1, April 2001, 'Pressure Piping'.

Nominal size DN (mm)	Nominal O.D. (mm)	Nominal wall thickness (mm)	Nominal I.D. (mm)	Mass per metre (kg)
32	42.4	2.0	38.4	1.99
40	48.3	2.3	43.7	2.61
50	60.3	1.6	57.1	2.32
50	60.3	2.0	56.3	2.88
50	60.3	2.5	55.3	3.57
65	76.1	2.0	72.1	3.66
65	76.1	2.5	71.1	4.54
65	76.1	3.0	70.1	5.41
80	88.9	2.0	84.9	4.29
80	88.9	2.5	83.9	5.34
80	88.9	3.0	82.9	6.35
90	101.6	2.0	97.6	4.92
90	101.6	2.5	96.6	6.12
100	114.3	2.0	110.3	5.50
100	114.3	2.5	109.3	6.90
100	114.3	3.0	108.3	8.20
125	139.7	2.5	134.7	8.50
125	139.7	3.0	133.7	10.10
150	165.1	2.5	160.1	10.00
150	165.1	3.0	159.1	12.00