

20 October 2009

Client: Tasman Insulation New Zealand Limited

TEST CERTIFICATE FOR SISALATION® LIGHT DUTY WHITE INK (420WI)

This product has been tested for the properties below according to AS/NZS4200.1:1994.

Tested by Scion:

1. **Folding endurance** according to AS/NZS 4200.1 Based on AS/NZS 1301.423
Not less than –
2.00 (i.e log₁₀100) in the machine direction
1.70(i.e log₁₀50) in the lateral direction
2. **Resistance to dry delamination** according to AS/NZS 4201.1
Pass (all 10 test pieces are without delamination)
3. **Resistance to wet delamination** according to AS/NZS 4201.2
Pass (all 10 test pieces are without delamination)
4. **Shrinkage** according to AS/NZS 4201.3
Less than 0.5%
5. **Resistance to water penetration** according to AS/NZS 4201.4
No staining with a head of dye solution of at least 100mm

Tested by the University of Western Australia:

- Emittance** according to AS/NZS 4201.5 Based on ASTM E408-71
Foil – reflective (not greater than 0.05)
White ink – non-reflective


Tested by the Australian Wool Testing Authority:

1. **Tensile strength** according to AS/NZS 4200.1 Based on AS 1301.448
Machine direction - greater than 7.5 kN/m
Lateral direction - greater than 4.5 kN/m
2. **Edge-tear resistance** according to AS/NZS 4200.1 Based on Tappi standard T470.
Machine and lateral directions: Greater than 45 N
3. **Flammability Index** according to AS 1530.2
Low flammability (five or less)

Tested by BRANZ:

- Resistance to water vapour transmission** according to AS/NZS 4200.1 by the
method of ASTM E96, Procedure B (wet-cup test)
High (greater than 450MN.s/g)

The results from testing at Scion, UWA and AWTA are from the samples as supplied to Scion by Tasman Insulation New Zealand Limited.



Dr R W Allison
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