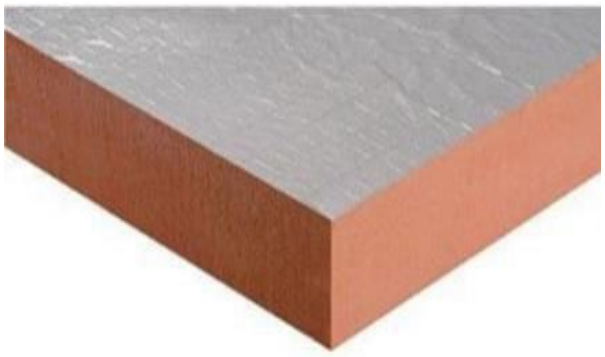
AWTA PRODUCT TESTING

Information Sheet

PF – Phenolic Foam



Ageing to EN 13166:2012 +A2:2016, Annex C

AS/NZS 4859:2018, Clause 8.2.2
Declared thermal resistance shall be determined from the aged values determined in accordance with the following:

(b) For PF either the slicing method or the heat ageing method detailed in EN 13166:2012 + A2:2016

Package P061PF_2A

(one thickness only – Heat Ageing method)

Package includes:

T89A – Drying 7 days at 70°C
T89B – Ageing 14 days at 110°C
T19F10 – Thermal resistance testing x1

Sample required: *Declared thermal resistance 10 specimens, 300 x 300mm, nominal thickness (≤100mm)*

Package P061PF_2B

(for product range, testing of thinnest & thickest product – Heat Ageing method)

AS/NZS 4859.1:2018, clause 2.3.3.6 allows, where a group of homogeneous bulk insulation products of similar chemical and physical composition and differing only in thickness, that only the thickest and the thinnest products need to be tested. The highest declared thermal conductivity shall apply to the whole group.

Package includes:

T89A – Drying 7 days at 70°C
T89B – Ageing 14 days at 110°C
T19F10 – Thermal resistance testing x 2

Sample required: *Declared Thermal resistance 10 specimens, 300 x 300mm, minimum thickness*
Declared thermal resistance 10 specimens, 300 x 300mm, maximum thickness (<100mm)

Delivery Address	Further information
AWTA Product Testing Level 1, 191 Racecourse Rd, Flemington VIC 3031, Australia	Phone: (03) 9371 2400 Email: producttesting@awta.com.au

IMPORTANT NOTE:
That by submitting samples for testing **YOU AGREE** that the resulting testing shall be performed under our terms and conditions for testing and consulting services: ***www.awtaproducttesting.com.au/index.php/about/terms-and-conditions***

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Thermal Transmission Properties

Specification: AS/NZS 4859.1:2018
Test Method: ASTM C518:2017

The National Construction Code requires a Declared Insulation Value ($R_{50/90}$) to be determined in accordance with AS/NZS 4859.1:2018 *"Materials for the thermal insulation of buildings"*. For Formed Shaped, Formed in-situ, Reflective Products and Low Density Compressible Batts, this specification calls up test method ASTM C518:2017.

ASTM C518 measures the steady state thermal transmission through flat specimens using a heat flow meter apparatus. From the test, the thermal conductivity (λ) and R-value is determined.

AS/NZS 4859.1-2018 requires that the thermal resistance and thermal conductivity are measured at a standard mean temperature of 23°C for products sold within Australia and 15°C for products sold in New Zealand.

We offer thermal transmission testing compliance with AS/NZS 4859.1:2018, including ageing processes (see over) required to determine the Declared Thermal Resistance ($R_{50/90}$) and Declared Thermal Conductivity ($\lambda_{50/90}$).

Company name	
Company Address:	
Contact person	
Contact email	
Contact phone number	
Name of your product	
Nominal composition	
Nominal thickness	
Special instructions	

Delivery Address	Further information
AWTA Product Testing Level 1, 191 Racecourse Rd, Flemington VIC 3031, Australia	Phone: (03) 9371 2400 Email: producttesting@awta.com.au

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