

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : Ace Wall Group Pty Ltd
12 Endeavour Drive
Adelaide SA 5015

Test Number : 23-002458
Issue Date : 3/08/2023
Print Date : 3/08/2023

Sample Description Clients Ref : "Ace-Wall Panels"
Rigid panel
Colour : White
End Use : Building Material
Nominal Composition : Reinforced fibre gypsumbase
Nominal Thickness : 100mm



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Page 1 of 3

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Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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AS 1530.1-1994

Methods for fire tests on building materials, components and structures

Part One: Combustibility test for materials

Date Tested	27-07-2023
Mean furnace thermocouple temperature rise	1.4 °C
Mean specimen centre thermocouple temperature rise	0.1 °C
Mean specimen surface thermocouple temperature rise	0.5 °C
Mean duration of sustained flaming	0 sec
Mean mass loss	21.5 %

Combustibility NOT DEEMED
COMBUSTIBLE

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be sole criterion for assessing the potential fire hazard of the product in use.

An alternative suitable insulating material was used to fill the annular space between the furnace tubes, as specified in Clause 4.2 of ISO 1182:2010

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Page 2 of 3

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	1	2	3	4	5	
Mass Loss	21.9	21.9	21.7	21.6	20.4	%
Initial furnace temperature	749.2	750.5	748.8	750.4	752.6	°C
Maximum furnace temperature	770.1	773.5	772.4	775.5	778.8	°C
Final furnace temperature	768.8	772.2	770.3	774.7	777.4	°C
Furnace thermocouple temperature rise	1.3	1.3	2.1	0.8	1.4	°C
Maximum specimen centre temperature	759.7	762.2	770.0	771.4	761	°C
Final specimen centre temperature	759.6	762.1	769.9	771.3	760.9	°C
Specimen centre thermocouple temperature rise	0.1	0.1	0.1	0.1	0.1	°C
Maximum specimen surface temperature	764.6	773.2	767.1	770.0	768.4	°C
Final specimen surface temperature	764.1	772.8	766.6	769.3	767.9	°C
Specimen surface thermocouple temperature rise	0.5	0.4	0.5	0.7	0.5	°C
Sustained flaming	0	0	0	0	0	sec

Observations

Specimen shrunk away from surface thermocouple

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Page 3 of 3

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