

# 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 Fax (03) 9371 2499

## TEST REPORT

**Client :** Integrated Recycling Pty Ltd  
83 - 85 Banbury Road  
Reservoir VIC 3073

**Test Number :** 17-005729  
**Issue Date :** 17/10/2017  
**Print Date :** 18/10/2017

**Sample Description** Clients Ref : "Duratrack"  
Rigid Panels  
Colour : Charcoal  
End Use : Railway sleeper  
Nominal Composition : Composite recycled plastic  
Nominal Mass per Unit Area/Density : 880kg/m<sup>3</sup>  
Nominal Thickness : 115mm

AS/NZS 1530.3-1999

### Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested:	Face		
Date tested:	17/10/2017		
	Standard Error	Mean	
Ignition time	0.21	6.62	min
Flame propagation time	5.2	83.5	sec
Heat release integral	4.9	126.1	kJ/m <sup>2</sup>
Smoke release, log d	0.0166	-0.6441	
Optical density, d		0.2278	/ metre

Number of specimens ignited: 6  
Number of specimens tested: 6

Regulatory Indices:

Ignitability Index	13	Range 0-20
Spread of Flame Index	6	Range 0-10
Heat Evolved Index	5	Range 0-10
Smoke Developed Index	5	Range 0-10

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- Chemical Testing  
- Mechanical Testing  
- Performance & Approvals Testing

: Accreditation No. 983  
: Accreditation No. 985  
: Accreditation No. 1356

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0204/11/06

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc. (Hons)  
MANAGING DIRECTOR

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These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

Each test specimen was clamped in four places.

The specimens melted away from the area of maximum heat and produced flaming droplets during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

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