designersplash
Colour Your World

NOVER

Product Technical Statement

DESCRIPTION

The Nover DesignerSplash product is a flame retardant aluminium composite splashback and wall panelling solution. The panels have a high-density mineral fibre core with a 0.5mm thick aluminium outer skin. The sheet sizes available are 3100mm wide x 750mm high.

It is a cost effective solution that is also easy to clean and where installed correctly is impervious to water ingress and splashing.

It is the ideal alternative to glass, acrylic and porcelain tiles and can be used for both residential and commercial applications.

There are a number of anodised aluminium profiles available to join & finish the DesignerSplash panels.

The DesignerSplash panels are coated with a high gloss metallic paint finish and is available in a range of existing colours.

APPLICATION

When installed according to the local building codes and regulations in Australia, the DesignerSplash panels are suitable for use in the following areas:

- Kitchen splashbacks
- Shower linings
- Retail fitouts
- Laundry areas
- Feature walls
- Wall linings

INSTALLATION GUIDELINES

The Nover DesignerSplash system has been tested by IAPMO Gas Technology Laboratory (Report GTL-21050310-R02) in accordance with clauses 3.3, 3.4, 3.4.101, 5.4, 5.4.3 of AS/NZS 5263.1-2017 and AS/NZS 5263.1.1-2020 using a 5-burner gas hotplate.

Minimum Clearance to surrounding DesignerSplash surface when used with a gas cooker/cooktop:

Rear - 110mm from periphery of nearest burner to rear installed panel.

Side - 110mm from periphery of nearest burner to side installed panel.

Overhead - 600mm from highest part of the tallest burner to overhead installed panel.

TEMPERATURE HAZARD TEST RESULTS:

	Measured Temp.	Allowed Temp. Limit
Side Wall	47°C rise	65°C rise
Rear Wall	52°C rise	65°C rise

FOR MORE INFORMATION CONTACT:

NOVER & CO PTY LIMITED www.nover.com.au

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FIRE RATING RESULTS

(**FIRE-PROOF B1 Level**)			
Panel Thickness	Standard	Unit	4mm
Thickness of Aluminium	DIN 1784	mm	0.5
Aluminum thickness deviation	DIN 1784	mm	±0.01
Weight		Kg/m^2	7.4
Tolerance in length	DIN 16927 / ISO 11833-1	mm	- 0 / +3
Tolerance in width	DIN 16927 / ISO 11833-1	mm	±1
Tolerance in thickness	DIN 16927 / ISO 11833-1	mm	± 0.20
Horizontal flatness	DIN ISO 1101	mm	4
Longitudinal roughness	DIN ISO 1101	mm	5
Technical Properties			
Alloy	EN 573-3	ENAW	1100
Temper of Cover Sheets	EN 515		H16/H18
Modulus of Elasticity	EN 1999 1-1	N/mm^2	70000
Tensile Strength of Aluminium	EN 485-2	N/mm^2	Rm ≥ 145
0.2% Proof Stress	EN 485-2	N/mm^2	Rp0.2 ≥ 115
Elongation	EN 485-2	%	A50 ≥ 3
Linear Thermal Expansion	EN 1999 1-1	$mm/m/^oC$	2.4 at 100°C Temp difference
Apparent Thermal Conductivity	ASTM D976	kcal/m.hr.°C	0.39
Deflection Temperature	ASTM D648	°C	116
Core			
Fireresist core		KG/m^2	1.45
Surface			Coil Coating
Outside surface		μm	FEVE / PVDF , ≥26 μm
Gloss (initial value)	ASTM D523-89	%	30-80
Pencil Hardness	ASTM D522-88		1-2H
Inside surface		μm	Protective paint, ≥8 μm
Acoustical Properties			
Sound Absorption Factor α_s	ISO 354		0.05
Sound Transmission Loss R_W	ASTM E413	DB	26
Mechanical Properties			
Tensile Strength	ASTM E8	Kg/mm^2	5
Yield Strength	ASTM E8	Kg/mm^2	4.5
Elongation	ASTM E8	%	5
Flexural Rigidity (20 cm span)	ASTM C393	$\times 10^5 Kg.mm^2$	14
Flexural Elasticity	ASTM C393	Kg/mm^2	4060
Flammability			
As per ASTM E84			class A
As per ASTM E119: 1-hr Fire Rating & 2-hr Fire Rating			passed
As per BS 476, Part 6			class 0
As per BS 476, Part 7			class 1
As per EN 13501-1			B-s1,d0

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