Laminex® Clipwall™

Laminex Clipwall is a medium density fibreboard, factory bonded with hardwearing melamine impregnated decorative paper to both sides, and machined with a clip together edge. Clipwall is an ideal wall-lining material.

APPLICATIONS

Clipwall is designed for interior use, such as wall panelling and commercial wall lining.

DECORATIVE SURFACE PROPERTIES

Clipwall, when tested in approved manner complies with the relevant sections of AS/NZS 1859.3 for surface properties.

RESISTANCE TO WEAR

AS/NZS 1859.3 requires minimum performance of:

Solid Colors

Average > 300 cycles.

Prints and Woodgrains

Average > 40 cycles.

SHEET SIZES AND THICKNESSES

2785 x 610mm Gross
2785 x 600mm Net

FINISH

Structured linewood, softpearl and topmat.

Note: Finish options depend on colour.

FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Range	STD Clipwall	FR Clipwall
Ignitability	0-20	13	0
Spread of Flame	0-10	5	0
Heat Evolved	0-10	3	0
Smoke Developed	0-10	7	6

STD; Cone Calorimeter AS/NZS 3837 (Irradiance of 50kW/m²) **FR;** Full Room ISO9705

Indices	Unit/Range	STD Clipwall	FR Clipwall
Group Number	0-3	3	2
Average Specific Extinction Area	m² / kg	32.1	37.1

SUBSTRATE PROPERTIES

(Typical physical Properties when tested to AS/NZS 4266.35: 2004)

Test	Unit	STD Clipwall	FR Clipwall
Thickness	mm	10.00	10.00
Thickness Tolerence	%	6.8	8.0
Density	kg/m³	760	850
Modulus of Elasticity	MPa	3990	4110
Modulus of Rupture	MPa	29.1	33.6
Internal Bond	MPa	0.88	0.83
Surface Soundness	MPa	0.78	0.75
Thickness Swell (24 hr)	%	<12	<8
Wet Bending Strength	MPa	2.40	10.35
Impact resistance (Hard Body)	mm	150	150
Formaldehyde Emission	mg/L	0.28 (E1)	0.66 (E1)

WEIGHT

Substrate	STD Clipwall	FR Clipwall
kg per m²	7.6	8.5

CLIPWALL ACOUSTIC SYSTEMS

Stud Material	Stud Thickness	Wall Thickness	Decorative Layer	Supporting Layer	Insulation	R_w	C_{TR}	$R_w + C_{TR}$	STC	Test No.
Pine MGP 10	70	90	Clipwall	Nil	Fletcher Insulation Pink Acousti-Therm HD 70mm	42	-13	29	40	CSIRO TL 562-02
Pine MGP 10	90	110	Clipwall	Nil	Nil	34	-8	26	34	CSIRO TL 562-03
Pine MGP 10	90	110	Clipwall	Nil	Fletcher Insulation Pink Acousti-Therm HD 90mm	44	-12	32	43	CSIRO TL 562-04
Metal 0.55bmt	64	84	Clipwall	Nil	Nil	32	-7	25	33	CSIRO TL 562-06
Metal 0.55bmt	64	84	Clipwall	Nil	Fletcher Insulation Pink Partition 24 64mm	42	-13	29	39	CSIRO TL 562-07
Metal 0.55bmt	92	112	Clipwall	Nil	Nil	35	-8	27	NA	CSIRO TL 562-05
Metal 0.55bmt	92	112	Clipwall	Nil	Fletcher Insulation Pink Partition 24 90mm	45	-11	34	45	CSIRO TL 562-08
Metal 0.50bmt	50	94	Clipwall FR	12mm FR MDF	35kg/m³ Mineral Wool	52	-11	41	NA	Eco-Scan 0451

CLIPWALL THERMAL SYSTEMS

Stud Material	Stud Thickness	Wall Thickness	Decorative Layer	Supporting Layer	Insulation	R Value
Pine MGP 10	70	90	Clipwall	Nil	Fletcher Insulation Pink Acousti-Therm HD 70mm	R2.0
Pine MGP 10	90	110	Clipwall	Nil	Nil	NA
Pine MGP 10	90	110	Clipwall	Nil	Fletcher Insulation Pink Acousti-Therm HD 90mm	R2.5
Metal 0.55bmt	64	84	Clipwall	Nil	Nil	NA
Metal 0.55bmt	64	84	Clipwall	Nil	Fletcher Insulation Pink Partition 24 64mm	R1.8
Metal 0.55bmt	92	112	Clipwall	Nil	Nil	NA
Metal 0.55bmt	92	112	Clipwall	Nil	Fletcher Insulation Pink Partition 24 90mm	R2.5

MOISTURE RESISTANCE

Laminex Clipwall FR complies with moisture resistance properties as specified in AS/NZS 1859.2, except for surface soundness. Refer to Substrate Properties table.

THIRD PARTY CERTIFICATION

Laminex Clipwall is manufactured from PEFC sourced wood fibre.

PEFC™
PEFC/07-35-01