

Material Choice Guide



Which Material to Specify?

We have seen a massive change in the variety of material options available to you since we began manufacturing in 1976. Most materials can be used in multiple environments however some perform better than others. In order for you to specify the correct material for your proposed projects we have broken down important features for each material type we work with.

Melamine Faced Chipboard



Impact & Moisture Resistance
Test method: EN14323*



- 1 - Decorative paper on both sides impregnated with melamine resin.
- 2 - Chipboard core.

MFC is a prebonded material and only needs to be cut and edged.

Melamine Faced MDF



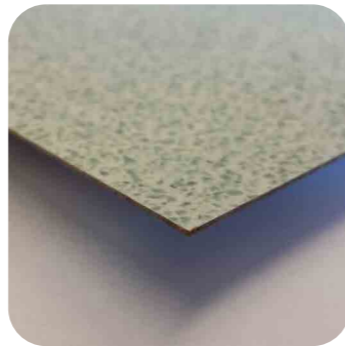
Impact & Moisture Resistance
Test method: EN14323*



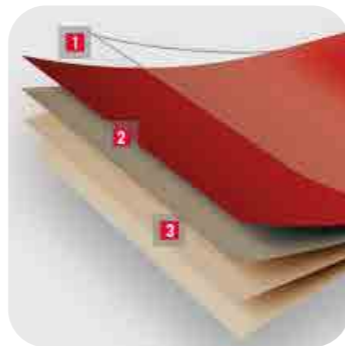
- 1 - Decorative paper on both sides impregnated with melamine resin.
- 2 - MDF core.

MF-MDF is a prebonded material and only needs to be cut and edged

High Pressure Laminate



Impact & Moisture Resistance
Test method: EN438*



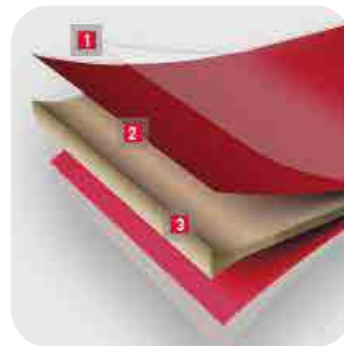
- 1 - Protective overlay for printed décors.
- 2 - Decorative paper on both sides impregnated with melamine resin.
- 3 - Layers of Kraft paper impregnated with phenolic resin.

HPL is hard-wearing surface material that needs bonding to a suitable substrate. It can be either edged or postformed.

Compact Density Fibreboard



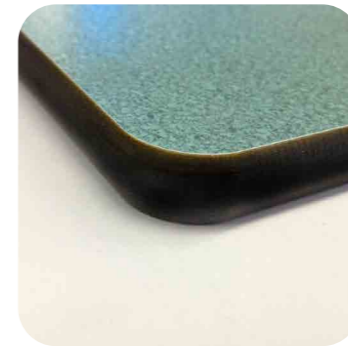
Impact & Moisture Resistance
Test method: EN14323*



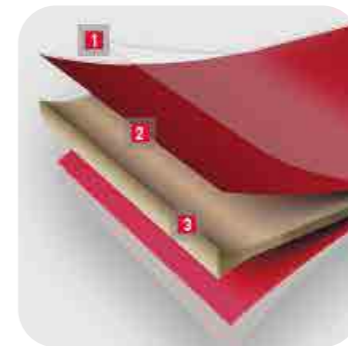
- 1 - Multilayer paper (on each side).
- 2 - Uppermost layer is decor paper with differing layers of barrier paper to create thickness of between 0.3-0.7mm.
- 3 - SwissCDF black coloured compact fibreboard.

CDF is an extremely robust self supporting high density fibreboard. The edges come polished black.

Solid Grade Laminate



Impact & Moisture Resistance
Test method: EN438*



- 1 - Protective overlay for printed décors.
- 2 - Decorative paper on both sides impregnated with melamine resin.
- 3 - Layers of Kraft paper impregnated with phenolic resin.

SGL is an extremely robust self supporting board. The edges come polished black.

Solid Surface



Impact & Moisture Resistance
Test method: ASTM D3029*



Solid surface is a non-porous, homogeneous surfacing material, composed of $\pm 1/3$ acrylic resin (also known as PolyMethyl MethAcrylate or PMMA), and $\pm 2/3$ natural minerals.

Solid surface is a cast product that can be pieced together with almost invisible joints to create larger panels. It can also be easily thermoformed into 3D shapes.

Who Supplies What?

This is only a guide to some of the manufacturers that we use. We do work with all leading manufacturers. Even though the utmost care has been taken to ensure the details below are accurate at the time of production, we recommend consulting the manufacturer's documents.

MFC	SIZE (mm)	NOMINAL THICKNESS (mm)
Polyrey	2800 x 2070	8 - 12 - 16 - 19 - 25 - 30
Formica	2800 x 2070	8 - 10 - 12 - 16 - 18 - 19 - 22 - 25 - 28
Egger	2800 x 2070	8 - 10 - 12 - 15 - 16 - 18 - 22 - 25 - 28 - 32 - 38
Kronospan	2620 x 2070	15 - 16 - 18 - 25
	5600 x 2070	15 - 16 - 18 - 25
	2440 x 2070	15 - 18
	2950 x 2070	15 - 18
	2800 x 2070	25

MF-MDF	SIZE (mm)	NOMINAL THICKNESS (mm)
Polyrey	2800 x 2070	12 - 16 - 19
Formica	2800 x 2070	12 - 16 - 18 - 19 - 22
Egger	2650 x 2070	15 - 18
	2800 x 2070	25
Kronospan	2620 x 2070	8 - 15 - 16 - 18 - 22 - 25
	5600 x 2070	15 - 18

HPL	SIZE (mm)	NOMINAL THICKNESS (mm)
Polyrey	2150 x 970	0.8
	2450 x 1240	0.8
	2800 x 2070	0.8
	3070 x 1240	0.8
	3070 x 1320	0.8
	3660 x 1510	0.8
	4120 x 1510	0.8
Formica	4320 x 1660	0.8
	2150 x 950	0.7
	2350 x 950	0.7
	2350 x 1300	0.7
	3050 x 1220	0.7
Egger	3050 x 1300	0.7
	3660 x 1525	0.7
	2150 x 950	0.8
Kronospan	3050 x 1310	0.8
	3050 x 1320	0.8
Arpa	2440 x 1220	1
	3050 x 1300	0.8 - 0.9 - 1.2
	4200 x 1600	0.9

CDF	SIZE (mm)	NOMINAL THICKNESS (mm)
Kronospan	2800 x 2070	6.4 - 8.4 - 10.4 - 12.4 - 13 - 16.4 - 19.4

SGL	SIZE (mm)	NOMINAL THICKNESS (mm)
Polyrey	2150 x 970	4 - 6 - 8 - 10 - 12.5
	2600 x 2050	8 - 10 - 12.5
	3660 x 1510	8 - 10 - 12.5
	3070 x 1240	4 - 6 - 8 - 10 - 12.5
	3070 x 1320	10 - 12.5
Formica	2150 x 950	2 - 2.5 - 3 - 4 - 6 - 8 - 10 - 12 - 13 - 16 - 18 - 20
	2350 x 950	
	3050 x 1220	
	3050 x 1300	
Egger	3660 x 1510	3 - 4 - 5 - 6 - 8 - 10 - 12
	2790 x 2060	
Kronospan	2800 x 1300	1 to 42
	2800 x 2040	1 to 30
	3050 x 1300	1 to 50
Arpa	3050 x 1300	6 - 8 - 10
	4300 x 1850	8 - 10 - 12.7
Trespa	2550 x 1860	6 - 8 - 12 - 16
	3050 x 1530	
	3650 x 1860	
	4270 x 2130	

SS	SIZE (mm)	NOMINAL THICKNESS (mm)
Corian	2490 x 760	6
	2490 x 930	4 - 6
	3658 x 760	12 - 19
	3658 x 930	12
Hanex	2490 x 760	6
	3680 x 760	12