



### Worktop and Modesty Panels Material Specification

MFC (melamine faced high-density chipboard) with enhanced overlay providing wear and scratch resistance superior to average laminate finish.

25mm thick Worktops, 16mm thick modesty panels.

MFC is a product of paper impregnated with resin and applied to the faces chipboard. The chipboard is the normal chipboard that is produced from a mix of virgin wood and recycled wood using urea formaldehyde resin as a binder. The specific amount of resin is dependant on the grade of board produced but is between 6% and 10% of the total material. The paper is generally in the range 60 to 95 grammes and for other than white will have a non toxic coloured image printed on it. This paper is impregnated with a melamine urea formaldehyde resin, which is partially cured before pressing onto the chipboard where it is fully cured.

The melamine paper laminate is less than 1% of the total MFC board composition.

All products comply with the EN Norm for E1 level of formaldehyde, and are therefore less than 8mg/100 gm.

The recycled wood used in the chipboard is good quality Post Consumer Recycled Wood, and is generally between 65 to 75% of the wood used in the product.

The products are recyclable. They can be processed back into chipboard, as composting medium or be used for energy generation in a CHP plant, to provided heat and/or electricity.

#### Panel Breakdown:

Wood (various species of softwood)	77 - 91.6%
Resin (UF, MUF, Phenolic, p-MDI)	8 - 20%
Wax and Hardener	0.4 - 3.0%

Worktops have High Impact 2mm ABS edge band with through-grain patterning is machined all round to an EN527 approved radius. Colour matched to the worksurface.

## Fixings

Worktops have factory fitted M6 metal inserts to provide metal-to-metal connection to desk understructure. Flange inserts are used to prevent inserts being driven too deeply into the worktop.

## Frame Construction

### Fixed.

Worksurfaces are supported by welded, steel, 'C' Frames. Frames for 600 and 800 deep surfaces have two upright sections, frames for 1000 deep surfaces three.

Crescent worktops have an additional steel support leg at the intersection of the modesty panels 'C' Frame assemblies are manufactured from Mild Steel ERW Tube, 50.0 x 30.0 x 1.5.

### Height Settable.

Height settable frames retain the same appearance as the Fixed version. The frames and support leg should be adjusted to the required height prior to assembly. Adjustment is made by removing the fixing screws in the vertical, extending the inner section, and replacing the fixing screws.

Height adjustable feet are fitted to fixed and settable frames and support legs.

All steel components are finished in Epoxy Powder Coating.

Modesty panels are connected to the leg frames by steel screw-in pins & metal cams.

## Cable Management

Cable ports in the surfaces and modesty panel access cut-outs provide routing for cables.

Cable trays are available as an option.

Trays are supplied with fixings for attachment to modesty panels and earthing kits. Cable trays conform to all requirements of BS6369

Manufactured from 0.9mm mild steel, with safety edges.

## Standards

BS EN 527 - 1	(2000)
BS EN 527 - 2	(2002)
BS EN 527 - 3	(2003)
BS6396	(2008)

