



Worktop Construction

25mm MFC (melamine faced high-density chipboard) with enhanced overlay providing wear and scratch resistance superior to average laminate finish.

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 used back into chipboard, or as composting medium or can be used for energy generation in a CHP plant, to give heat and/or electricity.

Wood Panel Breakdown:

triumph

corporate furniture and storage

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

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

Worktop has factory fitted M6 steel inserts to provide metal-to-metal connection to desk understructure. To prevent damage, flange inserts are used to prevent inserts being driven too deeply into the worktop.

Frame Construction - Fixed height

Frames are comprised of two main structural components, Leg Frame assemblies & Crossbeams. Leg Frame assemblies are made up of two vertical sections joined by a horizontal crossmember.

These sections are joined using a 45 degree mitre joint, fully welded internally & externally to form a rigid support structure. After welding each assembly is finished using machine & hand techniques to provide a seamless appearance. Both major components are made from Mild Steel ERW Tube 50.0 x 30.0 x 1.5 with additional internal welded reinforcements at areas subjected to most load. Recessed into the crossmember, and welded internally to, two stub sections attach the Crossbeams to the Leg frame. Crossbeams are manufactured from Mild Steel ERW tube 50 x 30 x 1.5. M8 fixings are used to assemble the Crossbeams to the Leg Frames.

Worktop fixing brackets are formed from 3.0mm thick mild steel. Attached to the Leg frames using M8 fixings the brackets incorporate an adjustment facility to enable worktops to be positioned precisely. Worktops are attached to the frame directly onto the Crossbeam at the rear & to the fixing brackets at the front of the desk.

Each leg is fitted with a 40.0mm diameter levelling foot, with M10 threaded adjuster.

Frame Construction - Fixed height

Height adjustable frames employ the same materials & construction techniques as used for fixed height frames.

Leg Frame components have been designed to house the height adjusting drive trains. The vertical sections are made up of an inner & outer to achieve adjustability. Height adjusting mechanisms concealed within each leg are driven via bevel drive gearboxes. Gearboxes are connected & synchronised by hexagonal steel drive shafts. Each frame assembly is set up & synchronised in the factory. Height adjustment is achieved by rotating a removable handle that is inserted into the top front of any leg. If specified adjustment may also be made by inserting the handle into grommets located in the worktop.

The assembled frames provide structural strength and rigidity combined with the adjustability required by the user.

The range of adjustment is between 665mm and 850mm

Finish

All steel components are finished in Epoxy Powder Coating

