

## **SAM Wrap Technical Guide**

INTERNAL: Wood Veneered MDF Profiles

### **STORING**

SAM MDF Mouldings should be stored off the ground and on dry bases under cover. They should be fully supported on a flat and level surface, with ample ventilation provided, to reduce the risk of absorbing moisture. Any protective wrapping should be left in place until time of use.

### **CONDITIONING**

It is recommended that SAM MDF Mouldings remain in the fixing environment for approximately 24 hours before use. It is recommended that you do not fix SAM Wrap MDF Mouldings to damp plaster or any other damp materials and avoid high humidity conditions.

### **FIXING INSTRUCTIONS**

SAM MDF Mouldings are easy to fix using traditional tools and materials. Before being fixed in place, all cut or unsealed areas should be carefully sealed with at least one coat of proprietary wood primer complying with BS 5358 or one coat of polyurethane or acrylic varnish. When cutting or mitring wrapped product, use a fine tooth saw and cut from moulded face into the profile to avoid excessive rough edges and fibres occurring on the visible surface. Fix at a maximum of 900mm centres.

### **FIXING WITH ADHESIVE**

SAM recommends the use of adhesives, and with SAM MDF mouldings most modern glues and panel adhesives work well, but manufacturers' recommendations should be followed. Caution is advised to avoid overspill of adhesive onto the face of the moulding as the veneer could be stained.

### **FIXING WITH NAILS**

If using nails for fixing they should be punched in below the surface and not inserted nearer than 12mm from any edge. Fix at maximum 900mm centres. For nailing through a moulded profile lost head pins are recommended and caution is advised to avoid danger of surface damage when nailing.

### **FIXING OF DOOR LININGS**

For door framing, it is helpful but not essential to drill a pilot hole prior to fixing. Linings should be fixed at a maximum of 600mm centres.

### **FILLING**

Any visible nail or counter-sunk screw fixings should be filled using good proprietary quality shrink resistant wood filler, suitable for the wood species being used. Alternatively, solid wood plugs (again matching the wood species) may be used. The filled area should then be sanded smooth with a fine abrasive paper (grit range 320-600) prior to staining / finishing.

## **FINISHING**

When varnishing or staining, check with a finish manufacturer for suitability. Before coating the entire surface, it is recommended to perform a colour match test on an “off cut” piece of MDF. If unsure test a small area before coating entire surface. Polyurethane or an acrylic wood stain varnish / lacquer are a good choice when finishing your wrapped mouldings as they have an excellent moisture and vapour resistance. Water-based acrylic stains should be applied in light coats to avoid overloading the surface with water / moisture and causing fibre raise.

**Please note that when varnishing / lacquering, the veneered surface may darken substantially in colour.**

## **BE SAFE WHEN FIXING**

- Use dust control equipment when sawing, cutting, or drilling any SAM MDF mouldings
- Work in a well-ventilated area
- Prevent excessive build-up of dust and maintain good housekeeping
- Keep MDF dust away from ignition sources
- When extraction is inadequate or impractical, wear a face mask as detailed below: Disposable Facemask – EN 149 type FFP2 Half Mask – Filter to EN 143 type P2 Mask to EN 140
- When cutting, wear eye protection as detailed below: Safety Goggles – BS EN 166 9B.

## **FIRST AID**

- Inhalation of wood dust: move to fresh air and clean nasal passages
- Contamination of eyes with wood dust: flush with tepid water for 15 minutes.

## **HEALTH & SAFETY**

All the products manufactured at SAM are processed according to the regulatory requirements (COSHH, 2002 regulations) by using mechanical extraction equipment and good housekeeping.

## **ALL PRODUCTS CONFORM TO:**

- BS EN 622 – 5 Classification of wood fibre boards
- Class – A Classification for Formaldehyde emissions, which is below equivalent to 8mg / 100g of board.
- European Standard PR EN 622 – 1
- SAM MDF Door Linings and Casings are flame retardant tested to BS 476: Part 22: 1987.

*Please note: The above relates to fixing and finishing of real wood veneered MDF profiles. When working with paper and PVC wrapped mouldings, if unsure on technical aspects please contact SAM for further advice or information by phoning +44 (0)28 9442 8288 or email team@samonline.co.uk.*