

HEALTH AND SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Type

MDF Architectural Mouldings comprising such products as Skirtings, Architraves, Window Boards and Dado Rails formed from MDF MR Fibreboard manufactured to BS EN 622, Part 5.

Trade Name: Fable MDF
Kota Mouldings (Polymer Coated MDF)

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2. COMPOSITION

Mixed softwood, polymerised resin, paraffin wax, moisture, formaldehyde (<0.11 parts per million – Class E1), water based primer (where MDF board is being coated), and a co-polyester (where a polymer coating is applied).

Hazardous Ingredients: None

3. HAZARDS IDENTIFICATION

This product is regarded as non hazardous

4. FIRST AID MEASURES

During post work of the mouldings some wood dust may be generated. If adverse effects occur following inhalation of, ingestion of or eye contact with this dust, remove patient to fresh air. In the case of eye contact flush open eye with tepid water. If the irritation persists seek medical attention.

5. **FIRE FIGHTING MEASURES**

In the event of fire MDF mouldings will behave similarly to softwood timber in that they will burn.

Suitable fire extinguishing agents: Water, Dry Powder, CO₂ and Foam

Note airborne wood dust may present an explosion hazard if allowed to build up. This should be collected and disposed of.

6. **ACCIDENTAL RELEASE**

The MDF mouldings do not represent a hazard in themselves. However a hazard may present when the product is being cut or machined – see section 8 below

7. **HANDLING AND STORAGE**

It is recommended that MDF packs be handled using an appropriate forklift truck driven by trained operators. Individual mini-packs are assembled in accordance with current guideline weights. Adhere to good lifting practice and use appropriate lifting devices if necessary.

Store product away from sources of ignition and under cover. Exercise care when opening packs; prior to opening ensure pack is stable. If cutting straps take care to protect eyes from contact with plastic strapping.

Packs should be stacked on level firm ground capable of withstanding the combined weight of the product and forklift truck. Ensure stacks are built securely to avoid overhangs and should be no more than four times the width of the pack in height. Note timber bearers should be used to stack on as well as between bales. Ensure these are kept in alignment to avoid distortion of the product.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

These products are softwood composites, bonded with a synthetic resin, usually formaldehyde based. When they are machined, a very fine dust is produced. This, like natural wood dust, is a potentially hazardous substance and must be controlled. When using portable or hand held tools, extraction equipment, as found in industrial applications, is often not practicable or available. In these cases suitable dust masks and goggles, or safety glasses, should be worn. If possible, the product should be machined in a well ventilated place, for example, outside.

Formaldehyde has a maximum exposure limit (MEL) of 2 parts per million. Formaldehyde vapour can irritate the eyes, causing significant irritation to unaccustomed persons. Studies to date indicate that persons machining the product are not exposed to formaldehyde vapour at levels that effect health. Exposure levels measured by the HSE have always been well below the MEL.

Occupational Exposure Limits

Softwood Dust: 5mg/m³ (Sen.) – EH40 MEL (8 hour TWA)

Formaldehyde: 2ppm (2.5mg/m³) – EH40 MEL (8 hour TWA)
2ppm (2.5mg/m³) – EH40 STEL (15 min)

Breathing Equipment: Use similar breathing filter as used during the machining of other softwood products to avoid inhaling softwood dust, to at least EN149 FFP2.

Eye Protection: Use the same eye protection equipment i.e. safety glasses, as used during the machining of other softwood products.

General Protection: As with all wood machining follow good hygiene and housekeeping practises.

9. PHYSICAL CHEMICAL PROPERTIES

Appearance: Sawn strips machined with varying moulded shapes

Odour: None under ambient conditions

Dimension: Vary with product thickness, width and length

Density: This may vary but an approximate value of 750 Kg/m³ may be applied

10. STABILITY AND REACTIVITY

This product is chemically stable. Store product in a dry well-ventilated area.

Materials to avoid: Reducing and oxidising agents

Conditions to avoid: Heating and ignition sources and damp atmospheres

Hazardous decomposition products: Carbon Monoxide (CO); Carbon Dioxide (CO₂) and Nitrogenous gases may develop in cases of fire.

11. TOXICOLOGICAL INFORMATION

This product, in its un-machined state, is unlikely to give rise to any toxicological effect. However, when machining this product fine dust is produced. As with any other softwood dust MDF dust is a potentially hazardous substance. It is not classified as a carcinogen. See section 8 for further information.

12. ENVIRONMENTAL INFORMATION

When used as intended this product is not classified as dangerous to the environment.

13. DISPOSAL CONSIDERATIONS

Dispose of responsibly and in accordance with National and EU regulations.

14. TRANSPORT INFORMATION

General Transport: no labelling required

15. **REGULATORY INFORMATION**

None

16. **OTHER INFORMATION**

Prepared in accordance with EC directive 2001/58/EC

The information contained herein is based on the present state of our knowledge and is intended to describe our product from the view of safety requirements. It should not therefore be construed as guaranteeing specific properties or their suitability for a particular application.