

KEY-ECLIPSE data sheet

MDF E0 GROUP 1 Fire Retardant

KEY-ECLIPSE architectural panels are available in a wide range of pre-finished options and tailored to suit any environment.

KEY-ECLIPSE is suitable for commercial and residential applications and is an ideal choice when meeting your green star and fire rating requirements.

Features and Benefits:

- ✓ Large selection of decorative finishes
- ✓ High degree of strength
- ✓ Excellent machining capabilities
- ✓ Large panels sizes
- ✓ Shaped and angled panels – custom

MDF Fire Retardant material description:

MDF core with inherent fire retardant properties. Manufactured in accordance with specification A2.4 of the Building Code of Australia

This product was tested by the CSIRO, refer to KEY-ECLIPSE MSDS safety data sheet for further information.

APPLICATIONS:

Ideal for internal wall & ceiling panels

SIZE & THICKNESS AVAILABLE:

Std sizes:
 2400 x 1200 x 12mm
 3000 x 1200 x 12mm
 From std sizes panels are custom cut to sizes required

COLOURS AVAILABLE:

KEY-ECLIPSE is available in the following:

- Natural MDF
- Black Core MDF

FINISH & DECORATIVE OPTIONS:

Paints:

- 2 pac polyurethane in any Dulux or similar colour you specify.

CLEAR: finishes available in 0- 10 -30 – 60% gloss levels

Veneers:

- Hoop Pine Plywood natural timber veneer (Meets Group1)
- Selected veneers will meet Group 2 (see Briggs veneers or similar supplier)
- Tesrol laminated finishes – selected colours and timber grains available to meet Group 1.

- Consult Designcor for samples and options.

PANEL OPTIONS:

- SOLID: Custom cut and shaped solid panels
- ACOUSTIC: Acoustically perforated or slotted for acoustic treatments
- Wall or ceiling panels
- Ceiling tiles
- Architectural lining – Internal

ACOUSTIC Perforation & Slotted Patterns:

Perforation and slot panels are available in five standard patterns, see patterns page....

K100 acoustic textile backing shall be factory applied to rear of panels to enhance acoustic performance.

K100 also acts as a structural deterrent to pests, dust and insects.

Variations:

- ✓ Custom patterns available,
- ✓ Edge profiles: rebate, chamfer, grooved options -consult Designcor Acoustics
- ✓ Decorative/matching edging options available

Fixing Systems:

- ✓ Ceiling panels can be fixed by standard Key Lock Rondo system or similar
- ✓ Wall panels fixed to furring channels
- ✓ Screw fixed through face panel
- ✓ Split battens fixed to rear of panels – wall panels only
- ✓ Single MDF batten fixed to rear of panels

Installation:

Panels to be installed by a builder or nominated contractor. Designcor Acoustic to manufacture and supply panels only.

This is a general guide only for residential or commercial applications.

- ✓ Panels can be face fixed using appropriate fasteners into furring channels, wall studs or ceiling battens to appropriate spacing.
- ✓ Finishing nails can be used and holes filled with timber putty or alternatively screw-heads can be used as a feature with neat spacing set-outs.
- ✓ Panels can be installed with express joints with 10mm clearance or to nominated clearance specified by builder or architect/designer.
- ✓ Panels can be square edge and butt jointed together or can be manufactured with a bevel edge to all four sides or nominated edges and butted together.