

# Formaldehyde Emissions

## Your first choice for healthier interiors

Formaldehyde is present in many of our everyday items including natural wood products, some fruits and vegetables, even occurring naturally in the air that we breath. It is also added as part of many manufacturing processes including for carpets, paints and varnishes, and MDF boards.

Worldwide, considerable effort is being put into reducing levels of formaldehyde emissions in many of these manufactured products. During the process of manufacturing our MDF, wood fibres from Radiata Pine, urea formaldehyde (UF) resin and a small amount of wax are combined to make the fibreboard. Levels of formaldehyde emissions are controlled via the type of resins used.

### Formaldehyde Emission levels

E1 <= 1.0 mg/L
E0 <= 0.5 mg/L
Super E0 <= 0.3 mg/L

### The change to E0

Environmental Choice have made it a condition of EC-32-17 Furniture Fittings & Flooring certification that MDF produced in New Zealand must have a minimum Formaldehyde Emission of E0 (previously E1). As it is important to Daiken to retain the Environmental Choice tick of approval, from October 2018 all Daiken products have been made to a minimum E0 standard - Formaldehyde Emissions not exceeding 0.5 mg/L. You can be assured that all Daiken produced panel board, from that date, has a minimum E0 formaldehyde emission standard.

For further information see <https://environmentalchoice.org.nz/specifications/ec-32-17/>

Daiken certification EC-32-17 <https://www.customwood.co.nz/pdfs/ECNZ-Licence.pdf>.

### Daiken offers the lowest range of formaldehyde-emitting MDF

Daiken has poured enormous amounts of research resource into becoming world-leaders in managing emissions in our MDF panel. By working with resin makers, we have developed a range of products that meet the exacting Japanese Industrial Standards (JIS) for formaldehyde emissions. This superior grade F★★★★ also known as Super E0(SE0) with Formaldehyde Emissions not exceeding 0.3 mg/L, has formaldehyde levels similar to natural wood, giving you assurance in the best controls available. We continue to work on how these levels can be reduced even further!

For the domestic market Daiken make their Customwood SuperFinish® product which has the Super E0 rating (SE0). As the lowest-emission fibreboard product on the global market, it also provides healthier environmental conditions and is compliant to the SE0 NZ/AUS standard 1859.2.2017.

Daiken continually strives to offer to the worldwide market MDF products which have the highest quality and health standards available whilst meeting the most stringent environmental standards.

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