

The RD Boxing Material.



The RD head box material (part of the Elipso™ range) is a two-part aluminium roll formed section designed to completely enclose the working parts of the shutter. The shutter curtain (slat) is concealed in the head box when in the Up position and for this reason we have four sizes of head box. The box has two roll formed sections (Top Plate and Bottom Plate), that are fitted together with a pair of cast aluminium End Plates.

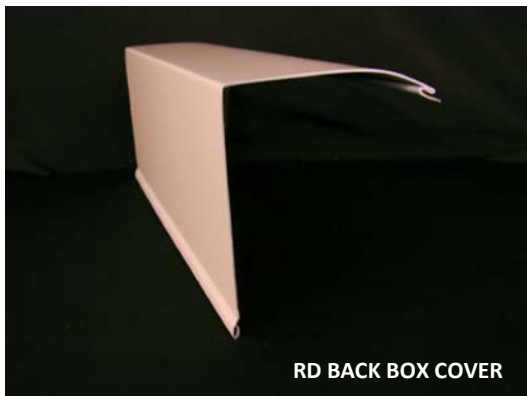


The shape has been designed to offer Australian homes the best and most modern aspects of such a dynamic product. A small roll away from the eave provides a shadow line that helps to hide any deformation in the eave line. The joint is high on the roll and in most cases would be above the line of view.

The joint design provides a positive seam that will not rattle or vibrate in the wind.



The RD head box is available in four of the standard OZRoll™ boxing colours - White, Cream, Sand & Brown.



Mechanical Properties.

The RD boxing material has excellent corrosion resistance, due to the high-grade aluminium alloy used and the exceptional coating qualities. The shape of the box is designed to be aesthetically pleasing while maintaining a highly functional purpose. Due to the strength of the shape and the lightness of the aluminium, the box will not bend over its own weight. Unlike steel boxing, the cut edges are protected by the corrosion resistant properties of the aluminium. The cast aluminium end plates are

fitted using aluminium rivets, therefore offering the best resistance to galvanic corrosion or electrolysis, caused by using dissimilar metals.

Technical Specifications.

Head Box Sizes Available: 140mm, 160mm, 180mm and 200mm.

Base Material: Aluminium Alloy: 5005
Temper: H46
Thickness: 0.9 mm

Coating: The base material has a two-coat system of primer plus topcoat, which is based on binders of polyester and melamine.

Testing: The coated aluminium is tested using various devices such as a Spectrophotometer and a Specular Gloss Meter, according to ISO 6270 standards. The standard periodic tests on this material are Colour Test, Gloss Test, Pencil Hardness, Erichsen (indentation test), Impact Resistance, and Bending, Salt Spray, Humidity Resistance, Weather – O Meter and the Natural Weathering Resistance test.

