

Technical Data Sheet

Alpine HMR XP Door Skins are a highly durable engineered wood product designed for use in areas where moisture may be present.

Alpine HMR XP Door Skins are manufactured with tightly controlled and measured physical properties, has uniform density, is free of knots and splinters and can be cut, drilled and sawn like regular solid wood.

Where Alpine HMR XP Door Skins are not installed as outlined within this Technical Data Sheet or the Door Manufacturers Literature any warranty claim will be void. The Alpine MDF warranty will not cover Alpine HMR XP Door Skins that have been fully exposed to the weather, either prior to installation or after.

Installation

Alpine HMR XP Door Skins are designed for use on entrance doors in weather protected openings which will protect the skins from direct exposure to the weather.

Alpine HMR XP Door Skins must avoid getting wet, even after the application of the required coats of paint as outlined in the painting section below.

Painting

Alpine HMR XP Door Skins come pre primed on the face surface and must have all edge surfaces completely sealed with a sealer undercoat and should have at least two (2) coats of top coat paint, or as advised by the paint manufacturer, prior to being exposed to any area where moisture may be present.

Any other part of the door skin where the raw board is exposed, i.e. after routing or installation of door furniture or hardware etc., must have, unless the paint manufacturer advises otherwise, at least one (1) coat of primer and two (2) coats of top coat paint, applied prior to being exposed to any area where moisture may be present.

Because Alpine HMR XP Door Skins painted with dark colours will cause a drying effect on the skins and may cause warping or cracking, dark colour paints must be avoided. The light reflective value (LVR) should be 50% or above and have the same or similar value for both interior and exterior coats.

Please refer to your paint supplier for the LVR of the paint to be applied.

Always use good quality paint, following the paint manufacturers instructions on the number of coats required.

Semi gloss or satin finish paints should be used.

Storage and Handling

Correct storage and handling of Alpine HMR XP Door Skins is essential to ensure problem free installation.

- Store horizontally on square, equal height bearers spaced at a maximum of 800mm. The sheets must not be stored directly on the ground
- Store protected from direct exposure to the weather in a well ventilated area.
- Finished doors should be stored, after delivery to the site, in a dry covered building and not be exposed to wet, or freshly plastered areas. They should be stored off the ground and not exposed to freshly poured concrete floors.

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Door Skin Physical Properties

Item	Unit	Aim	+/-	Note
Density	kg/m ³	850	20	ASNZ 4266.4
Moisture Content	%	7.0	2.0	24 Hours 105°C
Thickness	%	3.2	0.2	With paint
Thickness Swelling	%	15	2.0	ASNZ 4266.8 – 24 hours 20°C
Internal Bond	Mpa	1.7	0.2	ASNZ 4266.6
Dry Bending Strength - MoR	Mpa	36	2.0	ASNZ 4266.5
Stiffness – MoE	Mpa	3200	200	ASNZ 4266.5
Wet Bending Strength	Mpa	14.0	1.0	ASNZ 4266.10 – 2 hours 70°C

Safety

Working with any wood based product produces dust particles. Therefore, as when working with wood, protection of the eyes, nose and mouth when cutting is highly recommended. Refer to tool manufacturers for safe working recommendations for particular items of equipment.

The current workplace exposure limits for exposure to dust when working with Alpine HMR XP Door Skins are equal to that of softwood timber and you are able to be exposed to twice the level of dust than permitted from hardwood timber. Please refer to local workplace authority to gain further information in regards to safe work practices when working with wood products.

Environment

Alpine HMR XP Door Skins are manufactured by Alpine MDF Industries who are ISO14001 & FSC certified, demonstrating our commitment to caring for the environment. Please ensure all waste generated from using Alpine HMR XP Door Skins is recycled wherever possible and any waste discarded is done so within the guidelines of local council and any other regulatory authority applicable to the area where the product is being used. This applies to board offcuts, packaging, pack labels etc.

Updates

For updated information and details please go to our website AlpineMDF.com.au or contact our Customer Service on 03 57230430