

# ADVANTAGES OF MASONITE SKINS

1. Masonite Door Facing are boiling water resistant. Cheaper skins available are UF resin based and will not last.
2. Masonite skins are 100% Fungus proof. Masonite is the only Hardwood skin in the world. Cheaper skins are made using poplar / pine etc.
3. Masonite Moulded door facing have a higher average density than others. In addition to this variance range in density is minimal due to our tight Six Sigma manufacturing processes i.e. density 1000kg/m<sup>3</sup>.
4. Masonite door facing have higher modulus of rupture (MOR) Higher MOR equates to higher strength and will improve door structural Performance.
5. The internal bond strength (IB) is higher for Masonite facing. Higher IB will improve performance against delamination of the skin.
6. Linear expansion (LE) of Masonite facing is lower than others. A lower LE leads to less door distortion with environmental changes.
7. The equilibrium moisture content (EMC) at 50% relative humidity (RH) of Masonite facing is lower. In a dry environment, Masonite facing will exhibit less shrinkages and therefore less door distortion tendency.
8. Formaldehyde emissions of Masonite facings are lowest in industry making the facings more environmentally friendly of "greener".
9. Masonite facings have a better surface aesthetic appearance when considering primer coverage, hide mud cracks, and blocking / fiber transfer. Primer adhesion is best in class.
10. Better water resistance – Again unlike others who publish a wide range for certain properties (i.e EMC5-11%) Masonite skins don't exceed 6%.
11. Masonite facing have strong edges & corners thus face day to usage and natural wear and tear better. This is due to the fact that we are the only player in Asia that has complete in house design & development of dies.
12. Availability of Smooth flush facing + complete range of facings, designs and textures.
13. Highest capacity plant in Asia / Pacific with best capacity utilization.
14. Every skin has embossed 'M' logo to prevent duplication.

## TEST

1. Immerse Masonite skin in hot water for 1 hour and compare the swelling with other skins.
2. Immerse Masonite skin in Cold water for 24 hours and compare with other skin.