

PRODUCT DETAILS

MASONITE® HARDBOARD UNDERLAY		
DIMENSIONS	1220mm X 915mm X 5mm	
TOLERANCES	Length: Width: Thickness:	± 1.0mm ± 1.0mm ± 0.15mm
SQUARENESS	Variation in diagonals not more than 1.0mm	
AREA	1.12m ² /sheet	
MASS PER UNIT AREA	5.0kg/m ² or 5.6kg/sheet	
PACKAGING	23 Bundles of 5 sheets paper wrapped (115 sheets) strapped to a disposable timber pallet.	
BUNDLE DETAILS	Coverage:	5.6 m ²
	Mass:	5 sheets = 28kg
TOTAL PALLET WEIGHT	700kgs	

PHYSICAL PROPERTIES

MASONITE® HARDBOARD UNDERLAY	
DENSITY (TYPICALLY)	960–1000kg / m ³
MASS/UNIT AREA	5.0kg / m ²
MODULUS OF RUPTURE	40 MPa
MODULUS OF ELASTICITY	4000 MPa
IMPACT STRENGTH	4000 J/m ²
INTERNAL BOND STRENGTH	1000 kPa
THERMAL CONDUCTIVITY	0.18 W/(m.K)
HYDRO-EXPANSIVITY	0.25% change in face dimensions over 33% - 90% relative humidity.



Masonite (Africa) Limited complies to ISO 9001 which is the world's most established quality framework currently being used by over ¾ million organisations in 161 countries, and sets the standard not only for quality management systems, but management systems in general.



Masonite® Hardboard Underlay is an environmentally friendly product using 100% forestry cultivated eucalyptus logs and does not contain any other synthetic bonding agents.



...the most trusted name!



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SUPERIOR STABILITY • SUPERIOR DENSITY • SUPERIOR SUBSTRATE



Hardboard Underlay





Masonite Factory – South Africa

MASONITE (AFRICA) LIMITED

MJS Floorcoverings is proud to be the logistic partner of Masonite (Africa) Limited, offering its Australian customer base Masonite® hardboard underlay throughout its national distribution network.

Founded in 1948, Masonite (Africa) Limited is a South African based company, which is 80% owned by Masonite International Corporation USA and is listed on the JSE Securities Exchange SA.

It is engaged in the manufacturing and distribution of hardboard, softboard, door facings, and decorative wall panelling, and complies with the International ISO 9001 Quality Management System.

Since its inception, Masonite (Africa) Limited has maintained its mark of integrity and grown into an organisation of 1250 people encompassing:

- 25000 hectares eucalyptus timberlands
- Production of hardboard and softboard
- Local and international marketing and sales
- Worldwide distribution network, cutting edge research and technology



ENVIRONMENT

Masonite (Africa) Limited continually strives to protect the environment and to minimise the effect of ongoing operations on its surroundings.

The forestry division carries the International FSC Certification for its forest areas. Important environmental management projects include:

- Management of waste removal to minimise the environmental impact
- Reduction of dust pollution
- Effluent volume reduction through more efficient water usage
- Sustainable management of timberlands and compliance with the International FSC Certification
- Ongoing environmental audits

Masonite (Africa) Limited is committed to the responsible, profitable and sustainable management of resources and will strive to minimise pollution, comply with statutory requirements, monitor objectives and targets in order to achieve continual improvement.



HOW DOES MASONITE® HARDBOARD UNDERLAY WORK?

The stability and density of the Masonite® branded underlay makes it a superior substrate over strip timber, concrete, particleboard and plywood floors to provide a flat, uniform, indent resistant base for resilient, textile and timber floor coverings used in both commercial and residential applications.

Masonite® Hardboard Underlay:

- is a wood-based product that complies with the recommendations in the Australian Standards: 1884 – 1985.
- creates an excellent base for all types of floor coverings.
- reduces indentations caused by point loads.
- bridges most irregularities found in many sub-floors.

It is important to note that manufacturers of particleboard, plywood and vinyl flooring in conjunction with the Australian Standards state that “hard underlayment is to be used when installing vinyl flooring over particleboard or plywood sub-floors”.

Masonite (Africa) Limited and Australian Standards both state that “adhesive and staples are to be used when fixing Masonite® Hardboard Underlay to a particleboard or plywood sub-floor”.

PREPARATION

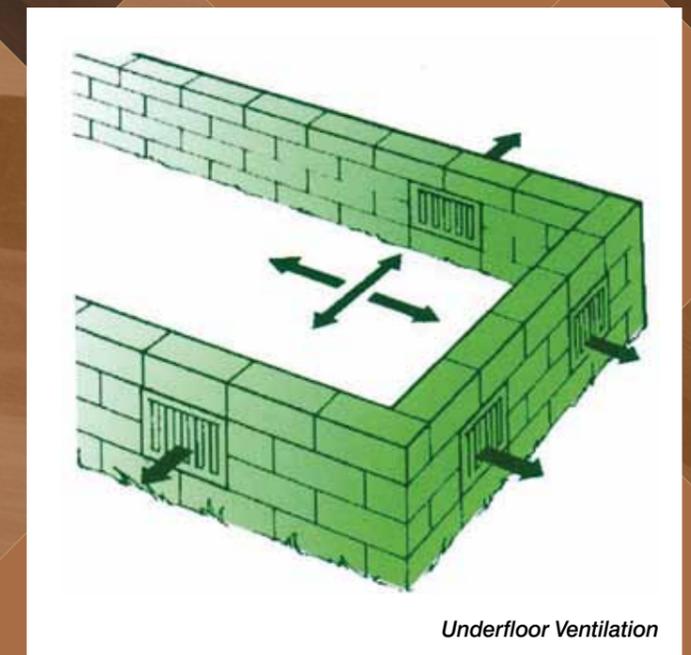
Good ventilation is essential under floors to prevent distortion, possible decay and excessive movement of the sub-floor, frame supports and underlay. If inadequate ventilation exists, subsequent damage to the floor covering material or adhesive system will occur.

The moisture content of timber, plywood or particleboard sub-floors and their structural supports must be checked before Masonite® is installed. Acceptable moisture content range is 9% - 14%.

Where existing timber, plywood or particleboard floors are to be used as a sub-floor for hardboard underlay installation, any worn, rough, cupped or warped surfaces should be repaired, sanded, filled or replaced to achieve a plane, smooth surface prior to the installation of Masonite®. The sub-floor must retain its structural integrity.

The moisture content of concrete sub-floors including ceramic, slate, marble and their structural supports must also be checked before Masonite® is installed.

For best practice, Masonite® Hardboard Underlay should be dry laid and left for 24 hours. This will allow the underlay to reach equilibrium with its surroundings before fixing to the sub-floor. The most prominent cause of joint show through is non-conditioning of the underlay.



Underfloor Ventilation