

# novogold MR™

## Particleboard

Moisture Resistant Particleboard is intended for use in high humidity conditions.

### DESCRIPTION

Novogold MR™ is a grade particleboard displaying a degree of resistance to moisture. Panels of Novogold MR® are identified by a green colouration of the core of the board, visible on board edges.

Novogold MR™ is manufactured to a high specification ensuring excellent screw holding and machinability while its smooth surface characteristics make it ideal for lamination using either Melamine, Foil films, High Pressure Laminates, Veneer Layons or other applications.

### PROPERTIES



SQUARENESS



DIMENSIONAL INTEGRITY



DIMENSIONAL STABILITY



EASY TO CUT



DRILLING



SCREW HOLDING INTEGRITY



IDEAL FOR LAMINATION



MOISTURE RESISTANT



FROM SUSTAINABLE SOURCES



LOW EMISSIONS

### APPLICATIONS

Novogold MR™ is suitable for melamine, veneer or high pressure decorative laminate finishes or other applications. It can be used for construction, and furniture production as it is easy to cut.



LIVING ROOM



BATHROOMS



BEDROOMS



HOME OFFICE



OFFICE



WALL PANELLING



RETAILING



RESTAURANTS



EXHIBITIONS



LEISURE AND SPORT

### ENVIRONMENTAL CERTIFICATIONS

Novogold MR™ is a sustainable environmentally friendly product with low formaldehyde emissions and sourced in accordance with responsible and sustainable forestry management practices.

Novogold MR™ carries FSC certification.

Novogold MR™ is E1 certified by EPH, an independent accredited test laboratory (ISO/IEC 17025 registered laboratory) and certification body, recognised worldwide as proof of performance for materials and products, including The Green Building Council SA.



FSC  
FORESTS FOR ALL FOREVER



MEMBER ORGANISATION 2018



EPH  
SUCCESS BY QUALITY



### OTHER CERTIFICATIONS

Manufactured to ISO9001 Standards  
ISO14001 Environmental Standards Certification  
OHSAS 1800 Health and Safety Certification



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## Particleboard

### SANS 50312:2015 Particleboards

Type P3 – Non load bearing boards for use in humid conditions°

#### BOARD PROPERTIES (MINIMUM SPEC)

Thickness	Method	mm	> 16 to 20
Internal Bond	EN 319	N/mm <sup>2</sup>	0,45
Bending Strength (MOR)	EN 310	N/mm <sup>2</sup>	14
Modulus of Elasticity (MOE)	EN 310	N/mm <sup>2</sup>	1950
Swelling in thickness, 24hr	EN 317	%	14

#### REQUIREMENTS FOR MOISTURE RESISTANCE:

Thickness	Method	mm	> 16 to 20
Internal bond after cyclic test	EN 321	N/mm <sup>2</sup>	0,13
Swelling in thickness after cyclic test	EN 321	N/mm <sup>2</sup>	13

#### TOLERANCES

Thickness (SANDED) within and between boards	EN 324-1	± 0.3 mm
Thickness (UNSANDED) within and between boards	EN 324-1	-0.3 mm + 1.7 mm
Length and width	EN 324-1	± 5 mm
Edge straightness	EN 324-2	1.5 mm per m
Squareness	EN 324-2	2 mm per m
Flatness	SANS 5969	5 mm per m
Moisture content	EN 322	5% - 13%
Tolerance on mean density within a board	EN 323	± 10 %
Formaldehyde	ISO 12460-5	E1 < 8 mg/100g board E2 < 20 mg/100g board

Sale size normally 5 - 20 mm oversize (length and width)

#### OTHER PROPERTIES AND SPECS NOT PRESCRIBED IN SANS 50312

Screw holding face	EN 320	N	> 900
Screw holding edge	EN 320	N	> 600
Surface absorption	BS EN 382-1	mm	> 250
Fire Rating	SANS 10177-3	Class	Class 5

#### Notes:

Manufacture and supply subject to minimum requirements. Although these boards are defined as moisture resistant, there is a likelihood of some swelling in thickness and change in dimensions if they are exposed to the elements for protracted periods. Care should therefore be taken to ensure that boards are not neglected in storage or on site. Wood based panels are biodegradable and can be recycled. Please follow local regulations for the disposal of residues.

#### Availability

For more information on availability on panel size and thickness, minimum quantities, as well as lead time, please consult your supplier.

#### AFFILIATIONS

