



# novogold™

## Particleboard

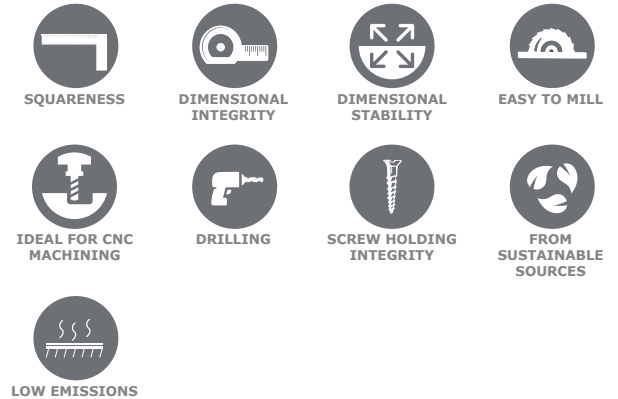
Particleboard suitable for interior applications in dry conditions.

### DESCRIPTION

Novogold™ is a grade particleboard substrate, manufactured for general use in interior furniture fitments.

Novogold™'s high intensity ensures 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 and other applications.

### PROPERTIES

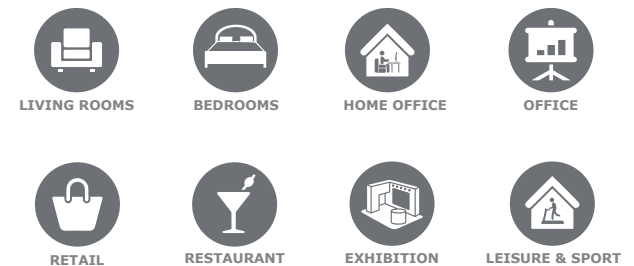


### APPLICATIONS

Novogold™ is ideal for construction and furniture production.

Novogold™ has excellent surface characteristics making it ideal for lamination using either Melamine, Foil Films, High Pressure Laminates, Veneer Layons and other applications.

Novogold™ is not suitable for load bearing applications.



### ENVIRONMENTAL CERTIFICATIONS

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

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



### OTHER CERTIFICATIONS

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



## Particleboard

### SANS 50312:2015 Particleboard

Type P2 - Boards for interior fitment for use in dry conditions

#### BOARD PROPERTIES (MINIMUM SPEC)

| Thickness                   | Method | mm                | >6 to 13 | >13 to 20 | >20 to 25 | >25 to 32 |
|-----------------------------|--------|-------------------|----------|-----------|-----------|-----------|
| Internal Bond               | EN 319 | N/mm <sup>2</sup> | 0,4      | 0,35      | 0,3       | 0,25      |
| Bending Strength (MOR)      | EN 310 | N/mm <sup>2</sup> | 11       | 11        | 10,5      | 9,5       |
| Modulus of Elasticity (MOE) | EN 310 | N/mm <sup>2</sup> | 1800     | 1600      | 1500      | 1350      |
| Surface soundness           | EN 311 | N/mm <sup>2</sup> | 0,8      | 0,8       | 0,8       | 0,8       |

#### TOLERANCES

|   |             |   |
|---|-------------|---|
| Thickness (SANDED) within and between boards  | EN 324-1    | ± 0.3 mm                                      |
| Thickness (UNSANDED) within and between board | 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<br>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:

Novogold™ panels must be stored in a dry/covered building, stacked on a hard, leveled surface, and protected from direct contact with water. 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

