Founded in the 70s, Cleaf has become the leading company for the marketing of wood-shaving panels to order, achieving total control on the entire manufacturing chain for the interior design and furniture industries. Thanks to a unique production plant, among the most innovative in the field, Cleaf is able to produce high-quality, high-performance panels characterized by superior technical properties, advanced technology, innovation and design aimed at the achievement of high-quality added value.

The company's mission is to constantly search for quality and exclusiveness through original and harmonious combinations of tactile and chromatic effects.

Made in Cleaf means Made in Italy.
Founded in the 70s, Cleaf has now achieved total control on the entire manufacturing chain of panels for the interior design and furniture industries. Thanks to a unique production plant, among the most innovative in the field.

Cleaf is a system of products and services based on research, advanced technology, innovation and design aimed at the achievement of high-quality added value.

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thermo structured surfaces

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**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>SPECIFICATION</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>wood</td>
<td>type</td>
<td>trunks, stems, branchwood, billets, root collars, fast-growth trees and shrubs, residues from the sawing, veneer cutting, stripping and carpentry of broadleaves and coniferous species. 85%</td>
</tr>
<tr>
<td>adhesive</td>
<td>type</td>
<td>condensation of urea/formaldehyde 8%</td>
</tr>
<tr>
<td>additives</td>
<td>type</td>
<td>water 6,60%, ammonium sulphate 0.20%, paraffin tracks</td>
</tr>
<tr>
<td>surfaces facing</td>
<td>decoration</td>
<td>decorative papers impregnated with melamine resin</td>
</tr>
</tbody>
</table>

**FORMALDEHYDE**

- **EN 120 Class E1** ≤ 8mg/100gr

**PHYSICAL**

- **EN 323 density** 500 to 700kg/m³

**PROPERTIES**

- **EN 322 moisture content** 5% to 13%
- **EN 324-1 sanded thickness** ± 0.2mm
- **EN 324-1 length - width** ± 5mm

**SURFACE TECHNICAL PROPERTIES**

- **EN 12720**
  - surfaces resistance to cool liquid reaction Class B*
  - contact time: 16 hrs 1 hr 10 minutes 10 seconds
  - staining agents:
    - acetic acid (water solution 10%) 5 5 5
    - acetone 5
    - ammonia (water solution 10%) 5 5 5
    - red wine 5 5 5
    - citric acid (water solution 10%) 5 5 5
    - cleansing agent 5 5
    - coffee 5 5
    - disinfectant (water solution 10%) 5 5 5
    - endorsing ink 2
    - ethanol (water solution 48%) 5 5 5
    - ethyl-butyl acetate (1:1) 5 5 5
    - olive oil 5 5 5
    - paraffin oil 5 5
    - sodium carbonate (water solution 10%) 5 5
    - sodium chloride (water solution 15%) 5 5
    - tea 5 5
    - water 5 5
    - beer 5 5 5

- **EN 12722**
  - abrasion resistance Level 4

- **EN 12721**
  - resistance to damp heat Level B*

- **EN 12400**
  - scratch resistance Level 4

- **EN 12900**
  - resistance to temperature variations Level 5

- **EN 12901**
  - stain resistance Level 4

**EVALUATION**

- 5: no defects
- 4: slight change in colour or gloss
- 3: moderate change in colour or gloss
- 2: strong mark
- 1: surface detachment

*Compliant EN 10944

**Distributor**

**Product Specifications**

- NSW: NSW Pty Ltd, 19 Wonderland Drive, Eastern Creek, T: (02) 8564 2221, F: (02) 8564 1775
- Qld: Nover Pty Ltd, 98 Freight St, Lytton, QLD 4178, T: 1300 599 057, F: 1300 599 347
- SA: VP Surface Solutions Pty Ltd, 27 Nylex Ave, Salisbury South, SA 5106, T: (08) 8281 3444, F: (08) 8281 3184
- VIC: JH Wilberforce Pty Ltd, 37-39 Ordish Rd, Dandenong South, VIC 3175, T: (03) 9793 7099, F: (03) 9793 7399
- WA: JH Wilberforce Pty Ltd, 270 Beringarra Ave, Malaga, WA 6090, T: (08) 9340 6222, F: (08) 9340 6262

**Website:** www.cleaf.com.au
**Matrix range**

Matrix is a technologically advanced product of sophisticated research and development, a result of a handcrafted care for detail and an industrial evolution in high tech.

The perfection of a natural structure. Textural, rough, down to earth. Perfect functionality in harmony with the environment.

**Yosemite range**

Yosemite captures the language of nature, and expresses it in the signs of natural elements. A specific manufacturing process allows the surface to flow, resemble and interact with a natural structure's harmonies.

Light reflexes emphasize the natural look of woodgrain and the interplay of touch and sight.

---

**Matrix Product Offer**

**Panels**
- 18mm HMR particleboard - Embossed 2 sides
- Sheet size: 2800 x 2070mm WA, SA, VIC
- Sheet size: 2800 x 1030mm WA, SA, VIC
- Sheet size: 2800 x 1840mm NSW, QLD only
- 14 Matrix decors + 1 Nadir

**HIGH PRESSURE LAMINATE (HPL)**
- Sheet size: 3050 x 1300 x 0.7mm
- Sheet size: 3050 x 650 x 0.7mm
- 14 Matrix decors + 1 Nadir

**Edges**
- Matching 1mm ABS Edging 21mm wide (other widths available on request)
- 50m rolls - unglued and preglued
- 14 Matrix decors + 1 Nadir

---

**Yosemite Product Offer**

**Panels**
- 18mm HMR particleboard - Embossed 1 side
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**Edges**
- Matching 1mm ABS Edging 21mm wide (other widths available on request)
- 50m rolls - unglued and preglued
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---

**Matrix Colours**
- LM96 SANTOS WHITE
- LG99 DARK TEAK ELEGANza
- LM97 SANTOS BEIGE
- LM98 SANTOS GREY
- LM17 NOCE DANIELA
- LM63 VINTAGE

**Yosemite Colours**
- S014 AQUAMARINE
- S015 LIGHT CARBON
- S013 OLD JACK
- S012 BURNEt
- S011 MILK SHAKE
- S010 NERO

---

Colours may vary from the photographs depicted in this brochure. We recommend you to make your final selection from a real cleaf sample.
Matrix is a technically advanced product resulting from sophisticated research and development, of a handcrafted nature and manufactured exclusively in Europe.

The perfection of a natural structure. Textural, rough, down to earth. Perfect functionality in harmony with the environment.

Yosemite captures the language of nature, and expresses it in the signs of natural elements. A specific manufacturing process allows the timber to live, mature and evolve, while it is a continuous search for inspiration.

Light reflexes emphasize the natural look of woodgrain and the interplay of touch and sight.

### MATRIX PRODUCT OFFER

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### YOSEMITE PRODUCT OFFER

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Yosemite captures the language of nature, and expresses it in the signs of natural elements. A specific manufacturing process allows the surface to take on a three-dimensional appearance, giving it a characteristic aspect.

Light reflexes emphasize the natural look of woodgrain and the interplay of touch and sight.

Matrix Product Offer

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www.cleaf.com.au
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thermo structured surfaces

the company

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technical information

PRODUCT SPECIFICATIONS

COMPOSITION

METHOD

adhesive: condensation of urea/formaldehyde 8%
additives: water 6.60%
ammonium sulphate 0.20%
paraffin tracks

surfaces facing

decoration: decorative papers impregnated with melamine resin

FORMALDEHYDE

EN 120 Class E1 ≤ 8mg/100gr

PHYSICAL

EN 323 density da 500 a 700kg/m3

PROPERTIES

EN 322 moisture content da 5% al 13%

Nominal

EN 324-1 sanded thickness ± 0.2mm

DIMENSIONS

EN 324-1 length - width ± 5mm

TOLERANCES

SURFACE TECHNICAL PROPERTIES

EN 12720 surfaces resistance to cool liquid reaction Class B*

CONTACT TIME STAINING AGENTS
16 hrs 1 hr 10 minutes 10 seconds

acetic acid (water solution 10%) 5 5 5
acetone 5
ammonia (water solution 10%) 5 5 5
red wine 5 5 5
citric acid (water solution 10%) 5 5 5
cleansing agent 5 5
coffee 5 5
disinfectant (water solution 10%) 5 5 5
endorsing ink 2
ethanol (water solution 48%) 5 5 5
ethyl-butyl acetate (1:1) 5
olive oil 5 5 5
paraffin oil 5 5
sodium carbonate (water solution 10%) 5 5
sodium chloride (water solution 15%) 5 5
tea 5 5
water 5 5
beer 5 5 5

Ni 9.115 abrasion resistance 4 O level

Ni EN 12722 resistance to dry heat Class B* 

Ni EN 12721 resistance to damp heat Class B*

Ni 9.428 scratch resistance 4 O level

Ni 9.429 resistance to temperature variations 5 O level

Ni 9.300 stain resistance 4 O level

EVALUATION

5 no defects
4 slight change in colour or gloss
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1 surface detachment

* not required by uNI 10944

Compliant uNI 10944

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