

| <b>Prodema</b><br>NATURAL WOOD BEAUTY         |  | <b>TECHNICAL DATA SHEET</b>  |                    | Doc.FTPRODEXIGN  |  |
|---|--|--|--------------------|--|--|
|   |  |  |                    | Rev.:012-Mar 2018                                      |  |
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| MATERIAL                                      |  | THICKNESS  |                    | FINISH   |  |
| PRODEX IGN                                    |  | 8-22 mm  |                    | SMOOTH   |  |
| TESTS   | RESULTS  | PROPERTY OR ATTRIBUTE  | MEASURE UNIT       | STANDARD   |  |
|   | FTPPODEXIGN Rev: 12  |  |                    |  |  |
| <b>1. INSPECTION REQUIREMENTS</b>             |  |  |                    |  |  |
| Colour, pattern and surface finish            | Due to the fact that wood is a natural product, each veneer may be considered as unique. Colour and structure differences are considered as normal. Singularities such as knots and resin inclusions are not considered as defects, but as a part of the décor. There are differences in light fastness performances depending on the wood species and the source of the wood. |  |                    | EN 438-8 Apto. 5.2.2.3                                 |  |
| <b>2. DIMENSIONAL TOLERANCES</b>              |  |  |                    |  |  |
| Thickness (t)                                 | ± 0,50   | 8,0 ≤ t < 12,0   | mm                 | EN 438-2 Apto. 5                                       |  |
|   | ± 0,60   | 12,0 ≤ t < 16,0  |                    |  |  |
|   | ± 0,70   | 16,0 ≤ t < 20,0  |                    |  |  |
|   | ± 0,80   | 20,0 ≤ t < 25,0  |                    |  |  |
| Flatness (1)                                  | 5,0  | 8,0 ≤ t < 10,0   | mm/m               | EN 438-2 Apto. 9                                       |  |
|   | 3,0  | 10,0 ≤ t   |                    |  |  |
| Length and width                              | +10 / - 0  | –  | mm                 | EN 438-2 Apto. 6                                       |  |
| Edge straightness                             | 1,5  | –  | mm/m               | EN 438-2 Apto. 7                                       |  |
| Edge squareness                               | 1,5  | –  | mm/m               | EN 438-2 Apto. 8                                       |  |
| <b>3. PHYSICAL PROPERTIES</b>                 |  |  |                    |  |  |
| Dimensional stability at elevated temperature | 0,3  | Longrain   | % max              | EN 438.-2 Apto.17                                      |  |
|   | 0,6  | Crossgrain   |                    |  |  |
| Resistance to impact by large diameter ball   | ≥ 1.800  | Maximal height for which no visible surface cracking or imprint greater than 10 mm | mm                 | EN 438-2 Apto.21                                       |  |
| Determination of graffiti resistance          | Level 3  | Permanent blue marker  | Cleanability level | ASTM D 6578:2000                                       |  |
|   | Level 4  | Spray red paint  |                    |  |  |
|   | Level 2  | Wax black crayon   |                    |  |  |
|   | Level 1  | Water based ink black marker   |                    |  |  |
| <b>4. WEATHER RESISTANCE REQUIREMENTS</b>     |  |  |                    |  |  |
| Resistance to UV light                        | ≥ 3  | Contrast   | Grey scale rating  | EN 438-2 Apto.28<br>Rating according to EN 20105 – A02 |  |
|   | ≥ 4  | Aspect   | Rating             |  |  |
| Resistencia a la intemperie artificial        | ≥ 3  | Contrast   | Grey scale rating  | EN 438-2 Apto.29<br>Rating according to EN 20105 – A02 |  |
|   | ≥ 4  | Aspect   | Rating             |  |  |
| <b>5. CE SAFETY REQUIREMENTS</b>              |  |  |                    |  |  |
| Reaction to fire                              | B-s1, d0   | Euroclass  | Classification     | EN 13.501-1  |  |
| Thermal resistance/Conductivity               | 0,22   | Thermal conductivity (l)   | W/m K              | EN 12664   |  |
| Water vapour permeability                     | 110  | Wet cup method   | μ                  | EN 438-7 Apto 4.4                                      |  |
|   | 250  | Dry cup method   |                    |  |  |
| Resistance to fixings                         | > 3.000  | Screw holding value for t ≥ 8 mm   | N                  | EN 438-7 Apto 4.5                                      |  |
|   | > 4.000  | Screw holding value for t ≥ 10 mm  |                    |  |  |
| Flexural strength                             | ≥ 80   | Longrain   | MPa                | EN ISO 178   |  |
|   | ≥ 80   | Crossgrain   |                    |  |  |
| Flexural Modulus                              | ≥ 9.000  | Longrain   | MPa                | EN ISO 178   |  |
|   | ≥ 9.000  | Crossgrain   |                    |  |  |
| Resistance to climatic shock                  | ≥ 4  | Appearance   | Rating             | EN 438-2 Apto.19                                       |  |
|   | ≥ 0,80   | Flexural strength  | Index Ds           |  |  |
|   | ≥ 0,80   | Elastic modulus  | Index Dm           |  |  |
| Density                                       | ≥ 1,35   | Density  | g/cm <sup>3</sup>  | EN ISO 1.183   |  |
| Resistance to wet conditions                  | ≤ 8  | Moisture absorbed  | %                  | EN 438-2 Apto.15                                       |  |
|   | ≥ 4  | Appearance   | rating             |  |  |

(1) Provided that the laminates are stored in the manner and conditions recommended by the manufacturer.