

# DÉCOWOOD PLUS PROFILO PIENO - SCHEDA TECNICA

## DÉCOWOOD PLUS SOLID PROFILE - TECHNICAL FEATURES

| CARATTERISTICA<br>FEATURE  | NORMA<br>STANDARD        | RISULTATO<br>RESULT   |
|--|--------------------------|---|
| Dimensione doga / Board dimensions   |                          | 20 x 165 x 2200 mm ca.  |
| Tipologia prodotto<br>Typology of product  |                          | WPC (Wood Polymer Composite), composto da: 60% ca. fibra di legni duri, 30% ca. polietilene (HDPE), 10% ca. additivi.<br>2nd generation WPC (Wood Polymer Composite) composed by: 60% hard woods, 30% polyethylene (HDPE), 10% additives. |
| Destinazione d'uso (*1)<br>Intended use  |                          | Rivestimenti per esterni non strutturali<br>Non-structural outdoor coverings  |
| Densità / Density  | EN 323/93                | 1.500 kg/m <sup>3</sup> ca. +/- 5%  |
| Carico di rottura (F max) (*2)<br>Breaking Load (F max)  | EN 310/93                | ≥ 5.500 N   |
| Resistenza all'umidità. Prova in acqua bollente (*3)<br>Resistance to humidity. Test in boiling water                | EN 1087-1/95             | Variazione in peso / Weight variation: ≤ 2%<br>Variazione in lunghezza / Length variation: ≤ 0,5%<br>Variazione in larghezza / Width variation: ≤ 1%<br>Variazione in spessore / Thickness variation: ≤ 1,5%                              |
| Resistenza all'estrazione delle viti (*4)<br>Resistance to screws extraction   | EN 320/94                | 2779 N  |
| Flessione sotto carico permanente dopo trattamento termico (*5)<br>Bend under permanent load after thermal treatment | EN ISO 899-2/2006        | ≤ 10 mm   |
| Coefficiente di espansione termica lineare<br>Coefficient of linear thermal expansion                                | ISO 11359-2<br>DIN 53572 | Variazione in lunghezza / Length variation: 0,036 mm/mC°<br>Variazione in larghezza / Width variation: 0,068 mm/mC°<br>Variazione spessore / Thickness variation: 0,098 mm/mC°  |
| Variazione del colore / Colour variation (*6)  |                          | ≤ 2%  |
| Scivolosità / Slipperiness   | DIN 51130 / 51131        | ≥ Classe / Class R11  |
| Caratteristiche principali<br>Main features  |                          | Aspetto naturale / Natural look   |
|  |                          | Colori / Colours: Tropical brown - Stone grey - Sand  |
|  |                          | Elevata resistenza a rottura, deformazioni, agenti climatici, aggressione di insetti<br>High resistance to break, deformations, atmospheric agents, insects attack  |
|  |                          | Altamente durevole e di facile manutenzione<br>Long-lasting and easy maintenance  |
|  |                          | Semplice da installare / Easy installation  |
|  |                          | Antiscivolo, anche se bagnato<br>Non slip even if wet   |

(\*1) The product must be installed according to our installation guidelines.

(\*2) Tested with a distance of 400 mm between the cylindrical supports.

The applied load consists of a cylindrical head having a diameter of 30 ± 0.5 mm. Sample conditioning: Temp 18-24 ° C - U.R. 40-60%.

(\*3) Test performed after keeping the samples in hot water and then in cold water (18-22 ° C) for a period of 15-120 minutes.

(\*4) Average extraction value on 3 types of screw.

(\*5) The profiles were subjected to bending in 3 points under a permanent load of 85 kg., duration 168 h (7 days), Temp. 50 ° C - 50% U.R.

The maximum bend, the minimum bending and their difference are calculated.

(\*6) Small chromatic variations are allowed, ≤ 2% and therefore not noticeable to the naked eye if not by direct comparison with a rough stave. They are unavoidable for any product of the category and for this reason they do not constitute defect or lack of conformity.

NOTES: The technical data can be changed without prior notice. A +/-2% tolerance on dimensions is normal and acceptable.