

# WPC EASADNI GRILLE PANELI

## Technical Data Sheet

<b>Product category</b>	WPC cladding / wall panels
<b>Panel generation</b>	2nd generation co-extrusion WPC cladding
<b>Available profile dimensions</b>	219 x 26 mm, 177 x 13 mm, 140 x 20 mm
<b>Surface processing</b>	3D embossed surface for a more realistic wood grain appearance
<b>Co-extrusion options</b>	Dual-layer and single-layer co-extrusion profiles
<b>Surface / core colors</b>	Same-color surface and bottom, different-color surface and bottom, and AB color options

## Technical performance

The values below are taken from the supplied WPC cladding technical data and are reported as test results for the WPC cladding product.

No.	Property	Test method	Test result	Conclusion
1	Abrasion resistance	ASTM D7031-11 (2019), Section 5.17 and ASTM D4060-19	Weight loss: 24.7 mg / 1000 r	Pass
2	Antimicrobial activity test	ASTM G 21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi	Test organism concentration of spores: $1.0 \times 10^6$ spores/mL Rating observed growth on specimens after 28 days: 0 grade	Pass
3	Boiling test	EN 15534-1:2014 + A1:2017, Section 8.3.3	Mass change rate: 0.18%	Pass
4	Coefficient of linear thermal expansion	EN 15534-1:2014 + A1:2017, Section 9.2; ISO 11359-1:2014; ISO 11359-2:1999, Method A	$43 \times 10^{-6} \text{ K}^{-1}$	Pass
5	Creep behaviour - unknown span in use	With reference to EN 15534-1:2014 + A1:2017, Section 7.4.2 and client's requirement	Creep factor (Cf): 1.12 Creep recovery (Erc): 46%	Pass
6	Modulus of elasticity in bending and bending strength	EN 15534-1:2014 + A1:2017, Annex A	Bending strength: 36 MPa Modulus of elasticity: 3730 MPa	Pass
7	Resistance to indentation	EN 15534-1:2014 + A1:2017, Section 7.5	Brinell hardness: 64 MPa Brinell hardness: 53%	Pass
8	Rockwell hardness	ASTM D785-08 (2015), Procedure A	72 R	Pass
9	Single flame source test	EN 15534-1:2014, Section 9.6.1 and EN ISO 11925-2:2020	Ignition occurred: Yes Flame tip reached 150 mm above the flame application point: No Time when flame tip reached 150 mm: / Ignition of filter paper: No Exposure conditions: edge exposure and surface exposure	Pass

---

# WPC EASADNI GRILLE PANELI

Technical Data Sheet - Additional Tests

## Additional technical performance

No.	Property	Test method	Test result	Conclusion
10	Striker impacted by a falling weight	With reference to ASTM D4226-19, Procedure A and client's requirement	Mean failure energy: 13.9 J	Pass
11	Swelling and water absorption	EN 15534-1:2014, Section 8.3.1 and EN 317:1993	Mean swelling - thickness: 0.17%, width: 0.01%, length: 0.02% Max. individual swelling - thickness: 0.21%, width: 0.02%, length: 0.03% Mean water absorption: 0.05% Max. individual water absorption: 0.06%	Pass

## Notes

- This document contains technical information for WPC Endurance Panels based on the supplied WPC cladding technical data sheet.
- Reported dimensions and performance values refer to the product profiles and tests listed in the source technical data.
- For final project specification, installation conditions and local compliance requirements should be checked separately.