



TECHNICAL DATASHEET

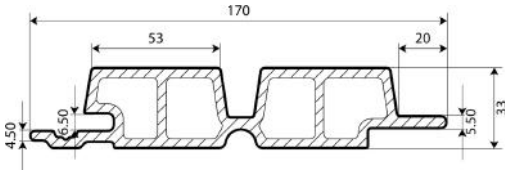
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# PuraTech 55

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CLADDING BOARD · WOOD-POLYMER COMPOSITE

PuraTech 55 is a wood-polymer composite cladding board with a 33 × 170 mm section. This datasheet records its performance against EN and ISO test methods.



| SECTION SIZE | LENGTHS        | BENDING  | REACTION TO FIRE |
|--------------|----------------|----------|------------------|
| 33 × 170 mm  | 2900 / 3900 mm | 31.0 MPa | Class D-s1,d0    |



## — APPEARANCE

### Surface & colour

01

Co-extruded surface. Colour is produced by random multi-chromatic pigmentation across the board face. UV-stable to the tested exposure cycle.



## — SUSTAINABILITY

### Environment

02

|                           |              |
|---------------------------|--------------|
| Service life              | > 20 years   |
| End-of-life recyclability | 95 %         |
| Recycled Material         | WPC          |
| Certification             | FSC® C226444 |



The mark of  
responsible forestry  
**FSC™ C226444**

SPECIFICATION

03

Product information

| PROPERTY       | VALUE                                                     |
|----------------|-----------------------------------------------------------|
| Section size   | 33 × 170 mm                                               |
| Length options | 2900 / 3900 mm                                            |
| Material       | Wood-polymer composite                                    |
| Colour options | Cedar · Teak · Ipe · Light Grey · Dark Grey · Ebony Black |

MECHANICAL PROPERTIES

04

Mechanical

| PROPERTY              | RESULT                   | STANDARD / CONDITION                  |
|-----------------------|--------------------------|---------------------------------------|
| Bending strength      | 31.0 MPa                 | EN 15534-5 / EN 15534-1 · span 600 mm |
| Modulus of elasticity | 4031 MPa                 | EN 15534-5 / EN 15534-1 · span 600 mm |
| Maximum load          | 2647 N                   | EN 15534-5 / EN 15534-1 · span 600 mm |
| Deflection at 250 N   | 1.86 mm                  | EN 15534-1 · Annex A, span 600 mm     |
| Impact resistance     | No cracking              | EN 15534-5 / EN 15534-1               |
| Creep (span 600 mm)   | ΔS 4.39 mm · ΔSr 3.19 mm | EN 15534-1 A1:2017 · max ΔS 4.92 mm   |

Moisture & thermal

| PROPERTY                   |                                         | RESULT                                              | STANDARD / CONDITION |
|----------------------------|-----------------------------------------|-----------------------------------------------------|----------------------|
| Water absorption           | 3.58 % mean · 3.69 % max                | EN 15534-5 / EN 15534-1 / EN 317 · 28-day immersion |                      |
| Water absorption (boiling) | 2.33 % mean · 2.56 % max                | EN 15534-5 / EN 15534-1                             |                      |
| Linear thermal expansion   | 66.0 × 10 <sup>-6</sup> K <sup>-1</sup> | EN 15534-1 / ISO 11359-2 · -20 to 80 °C             |                      |
| Heat reversion             | -0.35 %                                 | EN 15534-5 / EN 15534-1 / EN 479 · 100 °C, 60 min   |                      |

Durability & fire

| PROPERTY         |                   | RESULT                      | STANDARD / CONDITION |
|------------------|-------------------|-----------------------------|----------------------|
| Reaction to fire | Euroclass D-s1,d0 | EN 13501-1 (EN ISO 11925-2) |                      |

NOTE

Mechanical, moisture and thermal performance is shared across the PuraTech profile range; the reaction-to-fire class stated here is specific to the PuraTech 55 profile.

# **PuraComposite™**

**SUSTAINABLE SOLUTIONS**

## OUR OFFICES

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