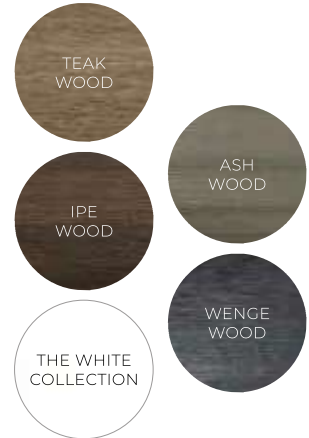
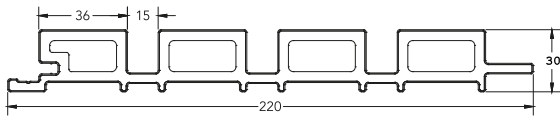


TECHNICAL FEATURES

■ Plus W



SKIN W PROFILE 220x15x36 mm

DENSITY EN ISO 1183-1 (G/CM ³)	1,33
WEIGHT (KG/ML)	3,190 (±5%)
BOARD LENGTH (M) Standard	3
APPEARANCE Clause 6.1 of EN 15534-1:2014 Length of specimen: 1000 mm	no visible colour difference
PENDULUM TEST Clause 6.4.2 of EN 15534-1:2014 and CEN/TS 15676:2007 Requirements of EN 15534-4:2014 Pendulum value ≥ 36	Pendulum value of face surface: Length direction: 62 Width direction: 72
FALLING MASS IMPACT RESISTANCE Clause 7.1.2.1 of EN 15534-1:2014 and CEN/TS 15676:2007 Requirements of EN 15534-4:2014 Hollow profiles: None of 10 test specimens shall show a failure with a crack length ≥ 10 mm or a depth of residual indentation ≥ 0,5 mm. In case of failure, 10 additional test specimens shall be tested and no failure with a crack length ≥ 10 mm or a depth of residual indentation ≥ 0,5 mm shall occur.	None of 10 test specimens showed a crack on face surface. Maximum depth of residual indentation: 0,13 mm

TECHNICAL FEATURES

■ Plus W

FLEXURAL PROPERTIES

Clause 7.3.2 of EN 15534-1:2014

Requesits of EN 15534-4:2014

F'max ≥ 3300 N (arithmetic mean value)

F'max ≥ 3000 N (individual values)

Deflection under a load of 500 N ≤ 2,0 mm
(arithmetic mean value)

Deflection under a load of 500 N ≤ 2,5 mm
(individual values)

Span: 300 mm

Average F'max: 4177N

Minimum F'max: 4013N

Average deflection under 500N: 0,52mm

Maximum deflection under 500N: 0,62mm

Average bending strength: 28,9MPa

Average modulus of elasticity: 4120MPa

RESISTANCE TO INDENTATION

Clause 7.5 of EN 15534-1:2014

Requirements of EN 15534-4:2014

Load Rate: 66 N/S

Final Load: 2000 N

Brinell hardness: 54N/mm²

Rate of elastic recovery: 75%

CREEP BEHAVIOR (KNOWN SPAIN IN USE)

Clause 7.4.1 of EN 15534-1:2014

Requesits of EN 15534-4:2014

Testing atmosphere: 24±2 °C, 50±5% RH

Span: 300 mm (Manufacture declare)

Load: 1000N

Loading duration: 504h

Recovering duration: 24h

Requirements of En 15534-4:2014:

ΔS ≤ 10 mm for arithmetic mean value

ΔS ≤ 13 mm for individual values

ΔS ≤ 5 mm for arithmetic mean values

ΔS arithmetic mean value: 1,24 mm

ΔS for individual values: 1,37 mm

ΔS arithmetic mean values: 0,86 mm

RESISTANCE TO ARTIFICIAL WEATHERING

Clause 8.1 of EN 15534-1:2014,

Cycle 1 of EN ISO 4892-2:2013

Duration: 2000 h

Requirements of EN 15534-4:2014:

ΔL*, Δa*, Δb* shall be declared.

ΔE*: 0,99

Grey scale: 4 - 5

(No declared value)

TENSILE STRENGTH PERPENDICULAR TO THE PANEL AFTER ARTIFICIAL WEATHERING

En 319:1993 and Cycle 1 of EN ISO 4892-2:2013

and client's requirements

Duration: 2000 h

Test speed: 0,5 mm/min

Average value: 1,63MPa

Failure mode: Adhesive failure

(See note)

MOISTURE RESISTANCE - BOILING TEST

Clause 8.3.3 of EN 15534-1:2014, EN 319:1993

and client's requirements

Requirements of EN 15534-4:2014

Mean water absorption ≤ 7%

Individual water absorption ≤ 9%

Water absorption:

Average value: 0,67%

Maximum value: 1,03%

Length change: 0,22%

Width change: 0,16%

Thickness change: 1,60%

FIRE BEHAVIOUR EN 13501 - 1:2018

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TENSILE STRENGTH PERPENDICULAR TO THE PANEL AFTER BOILING TEST

EN 319:1993, Clause 8.3.3 of EN 15534-1:2014

and client's requirements

Test Speed: 0,5 mm/min

Average value: 1,54MPa

Failure mode: Adhesive failure

(See note)