TECHNICAL DATA SHEET

TEBOPLUS PRIME

FT TEBOPLUS PRIME · REF 25-V1-GB · *Cancels and supersedes any previous versions*

All applications where a paint finish is required.
Internal fitting and wall- linings.
Recommended for use in internal but humid rooms or sheltered environment.

DESCRIPTION

Base board: Poplar Plywood

Faces (IAW EN 635-2): II / III
Faces: both sides with a white pre-paint coating system 80 / 80 µ

Average density (IAW EN 323): 450 kg/m³ (+/- 10%)
Bonding (IAW EN 314-2): class 3
Service (IAW EN 636): class 2 humid conditions

Formaldehyde release classification (IAW EN 717-1): E0.5 (≤ 0,062 mg/m³)
Content of Pentachlorophenol (IAW EN 13986): PCP ≈ 0 ppm

SIZES, NUMBER OF PLIES & PACKAGING

Thicknesses (mm)	Number of plies	Sizes (mm)	Packing
9	5	2500 x 1220	50
12	7		37
15	7		30
18	9		25
22	9		20

Other sizes & thicknesses: on request

OPTIONS

Preservative treatments, fungicide & Insecticide, antitermite: optional on request
Cutting & TG processing: optional on request

STORAGE

Flat, on intermediate bearers, in an enclosed dry and ventilated building, clear of the ground. As far as storage on site is concerned, provision should be made to cover the panels with an opaque waterproof sheeting with the underside of the stacks clear of the ground.

FURTHER PROCESSING & INSTALLATION

Compliance with standard practice, with regulations and with health and safety rules should be maintained at all times.

Compatibility with other paint coatings

TEBOPLUS PRIME is pre-painted with a water based primer. We therefore strongly recommend to privilege the selection of water based acrylic type finishing paints because of proven compatibility factors. However previous tests should always been carried out to verify suitability and compatibility on a sample piece in co-ordination with the paint supplier.
Non water based finishing type paints should be strictly submitted to previous compatibility tests on a sample piece to verify suitability and in co-ordination with the paint supplier.

TEBOPLUS PRIME surface characteristic

The structure of the primer is relatively open and soft so as to allow efficient penetration and adherence of the final paint coats to the priming system. In a complete painting system final paint coats are those that give the final hardness to the surface finish.
Because of its open and soft structure the surface of the board has a low resistance to abrasion and impact. It is therefore recommended:
- To avoid mechanical frictions and impact during transport and handling at the worksite.
- To take specific care of not pulling off the primer when filling with putty the screw heads or mechanical connectors. Careful working process should be followed.

Time lapse until application of the final coats

The time lapse during which the application of the final coatings should not exceed 60 days from installation date at the worksite.

Cutting and machining

Cutting and machining in the workshop possible except laser technology.

PRODUCTION SITES

Production on Thébault's sites in France

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TECHNICAL PROPERTIES

Characteristic values (MPA) IAW EN 789 - 1058 for structural calculations IAW Eurocodes

		9	12	15	18	22
Modulus of elasticity (E_m)	//	5782	5217	5135	4853	4637
	_I_	1518	2083	2165	2447	2663
Bending strength (f_m)	//	35.1	31.7	31.2	29.4	28.1
	_I_	9.2	12.6	13.1	14.9	16.2
Others characteristic values	Available on DOP Strength in: Tension (f_t), Compression (f_c), Panel shear (f_v) and Planar shear(f_r) Modulus of elasticity in: Tension (E_t), Compression (E_c), Panel shear (G_v) and planar shear (G_r)					

Nail and screw holding (t = 15 mm)

Nail	Face and edge: 300 N	
Screw	Face	Edge
	650 N	950 N

Bending radius (mm)

Thicknesses	9	12	15	18
//	2000	2400	3000	3800
_I_	2000	2400	3000	3800

Sound absorption coefficient

IAW EN 13986 Table N°10	Frequency range	
	250 Hz to 500 Hz	1000 Hz to 2000 Hz
	0,10	0,30

Thermal conductivity

IAW EN 13986	λ = 0,13

Characteristic density

IAW EN 789	NC

Vapour permeability

IAW EN 13986 Table 9	Wet cup	Dry cup
	44 µ	187 µ

Reaction to fire

End use condition In reference to table 8 of EN 13986 - 2004+A1:2015	Minimum thickness	Class excluding floorings	Class floorings
Without an air gap behind the panel	9 mm	D-s2,d0	D_{fl}-s1
With a closed or an open air gap not more than 22 mm behind the woodbased panel	9 mm	D-s2,d2	-
With a closed air gap behind the wood-based panel	15 mm	D-s2,d1	D_{fl}-s1
With an open air gap behind the wood-based panel	18 mm	D-s2,d0	D_{fl}-s1
Any	3 mm	E	E_{fl}

Airbone sound absorption

IAW EN 13986 Paragraph 5.10	The sound transmission loss R of a single wood-based panel, measured in dB, is related the mean surface mass m_A en kg/m² according to the following equation (which is only valid for the frequency range of 1 kHz to 3 kHz and at a surface mass > 5 kg/m²): $R = 13 \times \lg(m_A) + 14$

TECHNICAL SUITABILITY & CERTIFICATION

CE Structure attestation of conformity 2+	0380 - DOP* - CPR - EN 13986 : 2004 + A1 : 2015 - EN 636-3 S E1 * DOP : Declaration of Performance available on www.groupe-thebault.com

Ecocertification	CE Marking
PEFC	CE S (Structureal
PEFC 10-31-663	CE