

DECLARATION OF PERFORMANCE

No/Number :DoP.TPN.03.04.2015 rev.06

1. Product Type Identification code

According to ASTM C1186-08 (Reapproved 2012), Standard Specification for Flat Fiber- Cement Sheets

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

- Inside and outside cladding of all types of buildings
- Prefabricated and steel structures,
- Wall cladding or backerboard,
- Under the tiles of wet areas,
- Suspended roof systems;
- Construction of Firewalls,
- Sound Insulation,
- Heat Insulation,
- Under roof cladding,
- Substrate for cabinets and billboards,

3. Manufacturer name and contact information

Tepe Betopan Construction Materials Industry and Commerce Inc.

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Factory: Tepepan Factory - Alıcı Mah., ASO 2. ve 3. Organize Sanayi Bölgesi 2026. Cadde No:12 Sincan 06930 Ankara/TÜRKİYE

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4. Authorized representative name and contact information

(Not relevant)

5. System of assessment and verification of constancy of performance:

System 3

6. Harmonised standard, Notified Body/Bodies

According to ASTM C1186-08 (Reapproved 2012), Standard Specification for Flat Fiber- Cement Sheets

Notified body No 1783 Turkish Standards Institution (TSE), has issued certificate of conformity of product as a result of evaluation and verification of the constancy of performance under system 3.

Certificate of Conformity to Turkish Standards Number: 000261-TSE-02/04

Declaration of Performances for Tepepan Flat Fiber- Cement Sheets together with the applicable requirements of ASTM C1186-08 (2012) are shown in Table below

ESSENTIAL CHARACTERISTICS	TECHNICAL SPECIFICATIONS OF tepePAN®	RELATED HARMONIZED STANDARD
Dimensional Tolerances <ul style="list-style-type: none"> ▪ Length, in. $\leq \pm 0.25$ ▪ Width, in. $\leq \pm 0.25$ ▪ Thickness Variation ▪ Between Sheets, in. $\leq \pm 0.04$ ▪ Within Sheet, % ≤ 15 ▪ Squareness, in. $\leq \pm 0.125$ ▪ Edge straightness, in. $\leq \pm 0.125$ 		ASTM C1186-08(2012)
Density, kg/m ³	1200 kg/m ³ (± 75 kg/ m ³)	
Flexural Strength, psi <ul style="list-style-type: none"> ▪ Dry $\geq 1450^1$ ▪ Wet $\geq 1015^1$ 		
Moisture Movement, % <ul style="list-style-type: none"> ▪ Machine direction ▪ Cross Direction 	0,05% \pm 0,01	
Water Absorption, %	2 hours, by weight <15% (Of a board in ambient laboratory conditions) 24 hours, by weight <25% (Of a board in ambient laboratory conditions)	
Water Tightness	No formation of water drops	
Reaction to Fire	Non-combustible, A1	
Surface Burning Characteristics <ul style="list-style-type: none"> ▪ Flame Spread Index ▪ Smoke Developed Index 	0 0	
Freeze/Thaw Resistance <ul style="list-style-type: none"> ▪ Strength Retention, % ▪ Observation 	100 cycle Resistant to frost > 0,75 (RL ratio) No deleterious effects	
Warm Water Resistance <ul style="list-style-type: none"> ▪ Strength Retention, % ▪ Observation 	Resistant to hot water > 0,75 (RL ratio)	
Heat Rain Resistance	No visible cracks, delamination, warping and bowing or other defect which can affect the performance in use occur after 50 heat – rain cycles.	

Note 1 – Grade II requirements taken from Table 1 – “Flexural Strength Requirements” of ASTM C1186-08(2012)

Signatory on behalf of the manufacturer ;

Berkay ERTEM

Quality Assurance Manager

Ankara, 22.05. 2019