TÜRK STANDARDLARI ENSTİTÜSÜ

TÜRK STANDARDLARINA UYGUNLUK BELGESİ

TURKISH STANDARDS INSTITUTION

CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark

TSE veya/or TSE veya/or TSE

BELGE NUMARASI *REFERENCE NUMBER OF LICENCE*	022438-TSE-13/02
BELGENİN İLK VERİLİŞ TARİHİ *DATE OF FIRST ISSUE OF LICENCE*	06.08.2021
BELGENİN SON GEÇERLİLİK TARİHİ *LICENCE VALID UNTIL*	06.08.2025
BELGE SAHİBİ KURULUŞUN ADI *NAME OF THE LICENCE HOLDER*	TEKNOPANEL ÇATI VE CEPHE PANELLERİ ÜRETİM SANAYİ VE TİCARET ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ *ADRESS OF THE LICENCE HOLDER*	ORGANİZE SAN.BÖLGE 7.CADDE NO:10 AKDENİZ MERSİN/TÜRKİYE
ÜRETİM YERİ ADI *NAME OF THE MANUFACTURING PLACE*	TEKNOPANEL ÇATI VE CEPHE PANELLERİ ÜRETİM SAN. VE TİC. A.Ş.
ÜRETİM YERİ ADRESİ *ADRESS OF THE MANUFACTURING PLACE*	TURGUTLU 1.OSB 191.CADDE NO:19/1 SELVİLİTEPE/TURGUTLU MANİSA MANİSA / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa) *INDICATION OF SUPERSEDED LICENCE (if any)*	022438-TSE-13/01
TESCİLLİ TİCARİ MARKASI *REGISTERED TRADE MARK*	teknopanel
İLGİLİ TÜRK STANDARDI *RELATED TURKISH STANDARD*	TS EN 14509 / 02.04.2014

BELGE KAPSAMI
SCOPE OF LICENCE

SELF-SUPPORTING DOUBLE SKIN METAL FACED INSULATING PANELS

1- GALVANIZED STEEL FACED POLYURETHANE FILLED ROOF PANELS
Thickness: min. 40 mm, max. 150 mm
Steel Faces:
- Thickness Tolerance (TS EN 10143)
- Nominal - Yield Strength: min. 220 N / mm2

Properties of Core Material:
- Polyurethane (PUR)
- Thermal Conductivity (λ): Max. 0,024 W/mK
- Density: 40 ± 2 kg/m3
- Shear Strength of Core Material (fcv): min. 0.110 MPa

e-imzalı/e-signed

23.01.2025

On Behalf Of The Head Of Certification Center
ŞİMA AKKAYA

DIRECTOR OF CONSTRUCTION MATERIALS SECTOR

*This certificate also shows that the production place of the certified product meets the requirements of Institute.
*This certificate under any circumstances cannot be changed, duplicated partially or in a way that makes it difficult to read and erasure cannot be done.
*TSE CONSTRUCTION MATERIALS SECTOR DIRECTORATE * Address: Necatibey Cad.No:112 06100 Bakanlıklar/ANKARA * Telephone: 0312 416 63 79* Fax: 0312-416 66 17
*TSE HEAD OF CERTIFICATION CENTER; Address: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Telephone: 0 312 416 64 81 / 416 64 27, Fax:0 312 416 66 17 E-mail :bmb@tse.org.tr , web : www.tse.org.tr

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TÜRK STANDARDLARINA UYGUNLUK BELGESİ

TURKISH STANDARDS INSTITUTION

CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark

TSE veya/or TSE veya/or TSE

(022438-TSE-13/02nolu belge devamı) : TEKNOPANEL ÇATI VE CEPHE PANELLERİ ÜRETİM SANAYİ VE TİCARET ANONİM ŞİRKETİ

İLGİLİ TÜRK STANDARDI(*RELATED TURKISH STANDARD*) TS EN 14509 / 02.04.2014

- Shear Modulus of Core Material (G): min. 2,0 Mpa
- Compression Strength (σ10): min. 0,080 MPa

Properties of Panels:
- Creep coefficient for roof panels (t: 100.000 h, Φt): max 1,8 (free load)
- Creep coefficient for roof panels (t: 2.000 h, Φt): max 1,2 (snow load)
- Shear Strength After Long-term Loading (Reduced Shear Strength) (fcv - long term): t: 1.000 h, min. 0,070 MPa, t: 2.000 h, min. 0,065 MPa, t: 100.000 h, min. 0,040 MPa
- Cross panel tensile strength of Panel (fct) Min. 0,028 MPa
- Bending Moment Capacity and Rigidity: Normal: Min. 3,2 kNm / m, Reverse: Min. 2 kNm / m
- Wrinkling Stress: Normal: Min. 75 MPa, Reverse: Min. 75 MPa
- Bending Moment Capacity over a Central Support: Normal: Min. 1,00 kNm / m, Reverse: Min. 1,00 kNm / m
- Wrinkling Stress over a Central Support: Normal: Min. 140 MPa, Reverse: Min. 95 MPa
- Reaction to Fire: Fire Class B-s2,d0

2- GALVANIZED STEEL FACED POLYURETHANE FILLED WALL PANELS
Thickness: min. 40 mm, max. 150 mm
Steel Faces:
- Thickness Tolerance (TS EN 10143)
- Nominal - Yield Strength: min. 220 N / mm2

Properties of Core Material:
- Polyurethane (PUR)
- Thermal Conductivity (λ): Max. 0,024 W/mK
- Density: 40 ± 2 kg/m3
- Shear Strength of Core Material (fcv): min. 0.110 MPa
- Shear Modulus of Core Material (G): min. 2,0 Mpa
- Compression Strength (σ10): min. 0,080 MPa

Properties of Panels:
- Cross panel tensile strength of Panel (fct) Min. 0,028 MPa
- Bending Moment Capacity and Rigidity: Normal: Min. 3,2 kNm / m, Reverse: Min. 2 kNm / m
- Wrinkling Stress: Normal: Min. 75 MPa, Reverse: Min. 75 MPa
- Bending Moment Capacity over a Central Support: Normal: Min. 1,00 kNm / m, Reverse: Min. 1,00 kNm / m
- Wrinkling Stress over a Central Support: Normal: Min. 140 MPa, Reverse: Min. 95 MPa
- Reaction to Fire: Fire Class B-s2,d0

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