



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  veya/or T S E

BELGE NUMARASI

REFERENCE NUMBER OF LICENCE

022438-TSE-12/02

BELGENİN İLK VERİLİŞ TARİHİ

DATE OF FIRST ISSUE OF LICENCE

07.07.2021

BELGENİN SON GEÇERLİLİK TARİHİ

LICENCE VALID UNTIL

07.07.2026

BELGE SAHİBİ KURULUŞUN ADI

NAME OF THE LICENCE HOLDER

TEKNOPANEL ÇATI VE CEPHE PANELLERİ ÜRETİM
SANAYİ VE TİCARET ANONİM ŞİRKETİ

BELGE SAHİBİ KURULUŞUN ADRESİ

ADDRESS 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

ADDRESS 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INDICATION OF SUPERSEDED LICENCE (if any)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-12/01

TESCİLLİ TİCARİ MARKASI

REGISTERED TRADE MARK

teknopanel deltapan

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: 40 mm, 50 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. 0,027 W/mK
- Density: 30 ± 2 kg/m³
- Shear Strength of Core Material (fcv): min. 0.060 MPa

e-imzalı/e-signed

23.06.2025

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

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(022438-TSE-12/02nolu 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. 1,5 Mpa
- Compression Strength (σ_{10}): min. 0,050 MPa

Properties of Panels:

- Creep coefficient for roof panels (t: 100.000 h, Φt): max 1,5 (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. 0,020 MPa, t: 2.000 h, min. 0,020 MPa, t: 100.000 h, min. 0,020 MPa
- Cross panel tensile strength of Panel (fct) Min. 0,025 MPa
- Cross panel tensile modulus at elevated temperatures: Min. 0,025 MPa
- Bending Moment Capacity and Rigidity: Normal: Min. 1,0 kNm / m, Reverse: Min. 1,0 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. 75 MPa, Reverse: Min. 75 MPa
- Reaction to Fire: Fire Class B-s3,d0 (K.D. 28.03.2023)

2- GALVANIZED STEEL FACED POLYURETHANE FILLED WALL PANELS

Thickness: 40 mm, 50 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. 0,027 W/mK
- Density: 30 ± 2 kg/m³
- Shear Strength of Core Material (fcv): min. 0,060 MPa
- Shear Modulus of Core Material (G): min. 1,5 Mpa
- Compression Strength (σ_{10}): min. 0,050 MPa

Properties of Panels:

- Cross panel tensile strength of Panel (fct) Min. 0,025 MPa
- Cross panel tensile modulus at elevated temperatures: Min. 0,025 MPa
- Bending Moment Capacity and Rigidity: Normal: Min. 1,0 kNm / m, Reverse: Min. 1,0 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. 75 MPa, Reverse: Min. 75 MPa
- Reaction to Fire: Fire Class B-s3,d0 (K.D. 28.03.2023)

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