



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-10/05

BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE

18.06.2019

BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL

18.06.2025

BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER

TEKNOPANEL ÇATI VE CEPHE PANELLERİ ÜRETİM
SANAYİ VE TİCARET ANONİM ŞİRKETİ

BELGE SAHİBİ KURULUŞUN ADRESİ
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. SAKARYA ŞUBESİ

ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE

2. ORGANİZE SANAYİ BÖLGESİ 1. CADDE NO: 1 KARGALIHANBABA
KÖYÜ 54300 HENDEK/SAKARYA SAKARYA / TÜRKİYE

İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any)

022438-TSE-10/04

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

1-GALVANIZED STEEL FACED POLYURETHANE FILLED ROOFING/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: 32 ± 2 kg/m³
- SHEAR STRENGTH OF CORE MATERIAL (fcv): min. 0,06 MPa
- SHEAR MODULUS OF CORE MATERIAL (G): min. 1,5 Mpa
- COMPRESSION STRENGTH (σ_m): min. 0,050 MPa

e-imzalı/e-signed

03.09.2024

On Behalf Of The Head Of Certification Center
DR. HAZAL MİNE SARIASLAN SENYEN
DEPUTY 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





TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS



(022438-TSE-10/05nolu 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

PROPERTIES OF PANELS:

- CREEP COEFFICIENT FOR ROOF PANELS (t: 100.000 h, Φt): max 2,3 (FREE LOAD)
 - CREEP COEFFICIENT FOR ROOF PANELS (t: 2.000 h, Φt): max 1,6 (SNOW LOAD)
 - SHEAR STRENGTH AFTER LONG-TERM LOADING (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
 - BENDING MOMENT CAPACITY AND RIGIDITY: NORMAL: Min. 1,00 kNm / m, Reverse: Min. 1,00 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: B S3 d0
 - EXTERNAL FIRE PERFORMANCE: Broof (t1)
- (S.C. 22.08.2024)

e-imzalı/e-signed

03.09.2024

On Behalf Of The Head Of Certification Center
DR. HAZAL MİNE SARIASLAN SENYEN
DEPUTY 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



Please check the accuracy and validity of the certificate from <https://evrakkontrol.tse.org.tr/BelgeDogrulama.aspx?p=v65nnuiq>