



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



<b>BELGE NUMARASI</b> REFERENCE NUMBER OF LICENCE	007576-TSE-02/04
<b>BELGENİN İLK VERİLİŞ TARİHİ</b> DATE OF FIRST ISSUE OF LICENCE	06.01.2012
<b>BELGENİN SON GEÇERLİLİK TARİHİ</b> LICENCE VALID UNTIL	09.07.2025
<b>BELGE SAHİBİ KURULUŞUN ADI</b> NAME OF THE LICENCE HOLDER	PANELSAN ÇATI CEPHE SİSTEMLERİ SAN. VE TİC. A.Ş.
<b>BELGE SAHİBİ KURULUŞUN ADRESİ</b> ADDRESS OF THE LICENCE HOLDER	MUSTAFA KEMAL MAHALLESİ, 2118 CAD., A BLOK APARTMAN NO: 4 A/18 ÇANKAYA ANKARA/TÜRKİYE
<b>ÜRETİM YERİ ADI</b> NAME OF THE MANUFACTURING PLACE	PANELSAN ÇATI CEPHE SİSTEMLERİ SAN. VE TİC. A.Ş.
<b>ÜRETİM YERİ ADRESİ</b> ADDRESS OF THE MANUFACTURING PLACE	POLATLI ORGANİZE SANAYİ BÖLGESİ 3. CADDE NO. 3 POLATLI ANKARA / TÜRKİYE
<b>İPTAL EDİLEN BELGE NUMARASI (Varsa)</b> INDICATION OF SUPERSEDED LICENCE (if any)	007576-TSE-02/03
<b>TESCİLLİ TİCARİ MARKASI</b> REGISTERED TRADE MARK	panpor
<b>İLGİLİ TÜRK STANDARDI</b> RELATED TURKISH STANDARD	TS EN 13163:2012+A2 / 09.01.2017
<b>BELGE KAPSAMI</b> SCOPE OF LICENCE	



MANUFACTURED AS FABRICATION EXTENDED POLYSTYRENE FOAM PRODUCTS USING FOR THERMAL INSULATION IN BUILDINGS, WITHOUT SURFACE COATING AND TREATED  
SURFACE PROPERTY: FLAT  
COATING TYPE: UNCOATED  
INTERLOCKED CONDITION: NO INTERLOCKING  
TYPES:  
1)  
REACTION TO FIRE: E  
DIMENSION TOLERANCE CLASSES:  
LENGTH TOLERANCE: L(3)  
WIDTH TOLERANCE: W(3)  
THICKNESS TOLERANCE: T(2)  
DETERMINATION OF SQUARENESS: S(5)

e-imzalı/e-signed

21.05.2024

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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DETERMINATION OF FLATNESS: P(5)  
DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)5,  
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1  
THERMAL CONDUCTIVITY, EPS 50(λ): 0.038 W/mK  
LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)5  
COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 50  
BENDING STRENGTH: BS 75  
TENSILE STRENGTH PERPENDICULAR TO FACES: TR 100  
PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED  
2)  
REACTION TO FIRE:E  
DIMENSION TOLERANCE CLASSES:  
LENGTH TOLERANCE: L(2)  
WIDTH TOLERANCE: W(2)  
THICKNESS TOLERANCE:T(1)  
DETERMINATION OF SQUARENESS: S(2)  
DETERMINATION OF FLATNESS: P(5)  
DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)2,  
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1  
THERMAL CONDUCTIVITY, EPS 70(λ): 0.038 W/mK  
LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)3  
COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 70  
BENDING STRENGTH: BS 115  
TENSILE STRENGTH PERPENDICULAR TO FACES: TR 100  
PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED  
3)  
REACTION TO FIRE:E  
DIMENSION TOLERANCE CLASSES:  
LENGTH TOLERANCE: L(3)  
WIDTH TOLERANCE: W(3)  
THICKNESS TOLERANCE:T(2)  
DETERMINATION OF SQUARENESS: S(5)  
DETERMINATION OF FLATNESS: P(5)  
DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)5,  
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1  
THERMAL CONDUCTIVITY, EPS 50(λ): 0.032 W/mK  
LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)5  
COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 50  
BENDING STRENGTH: BS 75  
TENSILE STRENGTH PERPENDICULAR TO FACES: TR 100  
PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED

*e-imzalı/e-signed*

21.05.2024

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İLGİLİ TÜRK STANDARDI(RELATED TURKISH STANDARD) TS EN 13163:2012+A2 / 09.01.2017

COMMERCIAL MODEL: PANPOR KRB

4)

REACTION TO FIRE:E

DIMENSION TOLERANCE CLASSES:

LENGTH TOLERANCE: L(2)

WIDTH TOLERANCE: W(2)

THICKNESS TOLERANCE:T(1)

DETERMINATION OF SQUARENESS: S(2)

DETERMINATION OF FLATNESS: P(5)

DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)2,

DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1

THERMAL CONDUCTIVITY, EPS 70( $\lambda$ ): 0.032 W/mK

LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)5

COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 70

BENDING STRENGTH: BS 115

TENSILE STRENGTH PERPENDICULAR TO FACES: TR 100

PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED

COMMERCIAL MODEL: PANPOR KRB

5)

REACTION TO FIRE:E

DIMENSION TOLERANCE CLASSES:

LENGTH TOLERANCE: L(2)

WIDTH TOLERANCE: W(2)

THICKNESS TOLERANCE:T(1)

DETERMINATION OF SQUARENESS: S(2)

DETERMINATION OF FLATNESS: P(5)

DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)2,

DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1

THERMAL CONDUCTIVITY, EPS 50( $\lambda$ ): 0.037 W/mK

LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)4

COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 90

BENDING STRENGTH: BS 135

TENSILE STRENGTH PERPENDICULAR TO FACES: TR 150

PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED

6)

REACTION TO FIRE:E

DIMENSION TOLERANCE CLASSES:

LENGTH TOLERANCE: L(2)

WIDTH TOLERANCE: W(2)

THICKNESS TOLERANCE:T(1)

DETERMINATION OF SQUARENESS: S(2)

*e-imzalı/e-signed*

21.05.2024

On Behalf Of The Head Of Certification Center  
ŞİMA AKKAYA

DIRECTOR OF CONSTRUCTION MATERIALS  
SECTOR

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DETERMINATION OF FLATNESS: P(5)  
DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)2,  
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1  
THERMAL CONDUCTIVITY, EPS 90( $\lambda$ ): 0.031 W/mK  
LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)5  
COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10)90  
BENDING STRENGTH: BS 135  
TENSILE STRENGTH PERPENDICULAR TO FACES: TR 150  
PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED  
COMMERCIAL MODEL: PANPOR KRB  
7)  
REACTION TO FIRE: E  
DIMENSION TOLERANCE CLASSES:  
LENGTH TOLERANCE: L(2)  
WIDTH TOLERANCE: W(2)  
THICKNESS TOLERANCE: T(1)  
DETERMINATION OF SQUARENESS: S(2)  
DETERMINATION OF FLATNESS: P(5)  
DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)2,  
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1  
THERMAL CONDUCTIVITY, EPS 100( $\lambda$ ): 0.036 W/mK  
LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)5  
COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 100  
BENDING STRENGTH: BS 150  
TENSILE STRENGTH PERPENDICULAR TO FACES: TR 150  
PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED  
8)  
REACTION TO FIRE: E  
DIMENSION TOLERANCE CLASSES:  
LENGTH TOLERANCE: L(3)  
WIDTH TOLERANCE: W(3)  
THICKNESS TOLERANCE: T(2)  
DETERMINATION OF SQUARENESS: S(5)  
DETERMINATION OF FLATNESS: P(5)  
DIMENSIONAL STABILITY UNDER CONSTANT NORMAL LABORATORY CONDITIONS DS(N)5,  
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS: DS(70,-)1  
THERMAL CONDUCTIVITY, EPS 30( $\lambda$ ): 0.033 W/mK  
LONG TERM WATER ABSORPTION BY DIFFUSION: WL(T)5  
COMPRESSIVE STRESS AT 10 % DEFORMATION: CS(10) 30  
BENDING STRENGTH: BS 50  
TENSILE STRENGTH PERPENDICULAR TO FACES: TR 75

*e-imzalı/e-signed*

21.05.2024

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Markanın Tanımı Description of the Mark  
**TSE** veya/or  veya/or **T S E**

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PLACE OF USE: THESE PRODUCTS CANNOT BE USED IF COMPRESSIVE CREEP IS NEEDED  
COMMERCIAL MODEL: PANPOR KRB (EXPANSION OF SCOPE:21.11.2018)

*e-imzalı/e-signed*

21.05.2024

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