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 TSE

BELGE NUMARASI *REFERENCE NUMBER OF LICENCE*	000134-TSE-19/04
BELGENİN İLK VERİLİŞ TARİHİ *DATE OF FIRST ISSUE OF LICENCE*	13.04.2018
BELGENİN SON GEÇERLİLİK TARİHİ *LICENCE VALID UNTIL*	13.04.2027
BELGE SAHİBİ KURULUŞUN ADI *NAME OF THE LICENCE HOLDER*	İZOCAM TİCARET VE SANAYİ ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ *ADRESS OF THE LICENCE HOLDER*	ALTAYÇEŞME MAH. ÇAMLI SK. PASCO PLAZA /21 NO:4 MALTEPE İSTANBUL/TÜRKİYE
ÜRETİM YERİ ADI *NAME OF THE MANUFACTURING PLACE*	İZOCAM SAN. TİC. A.Ş.
ÜRETİM YERİ ADRESİ *ADRESS OF THE MANUFACTURING PLACE*	GEBZE KİMYA İHTİSAS OSB, ÇERKEŞLİ YOLU ÜZERİ, KOCABATIR TEPE MEVKİİ, KİPLASMA CAD. NO:1 DİLOVASI KOCAELİ / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa) *INDICATION OF SUPERSEDED LICENCE (if any)*	000134-TSE-19/03
TESCİLLİ TİCARİ MARKASI *REGISTERED TRADE MARK*	TEKİZ
İLGİLİ TÜRK STANDARDI *RELATED TURKISH STANDARD*	TS EN 14509 / 02.04.2014

BELGE KAPSAMI
SCOPE OF LICENCE

1- Polyisocyanurate Filled, Metal Coated Insulation Panels (Roof Panel) 40 mm - 100 mm thickness, Steel Surfaces: - Thickness Tolerance (TS EN 10143): Nominal - Yield Strength: min. 220 N/mm2 Properties of Core Material: Polyisocyanurate (PIR) - Thermal Conductivity (λ): max. 0.024 W/mK - Density: 35±3 (kg/m3) - Shear Strength of Core Material (fcv): min. 0.035 MPa - Shear Modulus of Core Material (G): min. 1.25 MPa - Compressive Strength of Core Material (σm): min. 0.050 MPa (or Compressive Stress (σ10): min. 0.050 MPa) Properties of Panel: - Creep Coefficient (Φt, t=100,000 hours, Free Load): max. 1.00 - Creep Coefficient (Φt, t=2,000 hours, Snow Load): max. 0.60 - Shear Strength After Long-Term Loading (fcv long term): t: 1,000 hours, min. 0.035 MPa t: 2,000 hours, min. 0.030 MPa t: 100,000 hours, min. 0.015 MPa - Tensile Strength of the Panel in the Transverse Direction (fct) min. 0.018 MPa - Bending Moment Capacity and Stiffness (Mu) FLAT: min. 2.00 kNm/m REVERSE: min. 2.00 kNm/m - Torsional Stress (σw) FLAT: min.100 MPa REVERSE: min. 100 MPa - Bending Moment Capacity on a Central Support: FLAT: min. 2.00 kNm/m REVERSE: min. 2.00 kNm/m - Torsional Stress (σw) on a Central Support (σw) FLAT: min. 100 MPa FLAT:: min. 100 MPa - Reaction to Fire: B.S2.d0

e-imzalı/e-signed

02.04.2026

On Behalf Of The Head Of Certification Center
YUNUS MERCAN

DEPUTY MANAGER of İSTANBUL CERTIFICATION

*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 * Address: Çayırova Tren İstasyonu Yanı ÇAYIROVA/GEBZE * Telephone: 2627231273* Fax: 2627231606
*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

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CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Markanın Tanımı Description of the Mark

TSE veya/or veya/or TSE

(000134-TSE-19/04nolu belge devamı) : İZOCAM TİCARET VE SANAYİ ANONİM ŞİRKETİ
İLGİLİ TÜRK STANDARDI(*RELATED TURKISH STANDARD*) TS EN 14509 / 02.04.2014

2- Polyisocyanurate Filled, Metal Coated Insulation Panels (Facade Panel) in thicknesses of 40 mm – 100 mm; - Thickness Tolerance (TS EN 10143): Nominal - Yield Strength: at least 220 N/mm2. Properties of Core Material: Polyisocyanurate (PIR) - Thermal Conductivity (λ): max. 0.024 W/mK - Density: 35±3 (kg/m3) - Shear Strength of Core Material (fcv): min. 0.035 MPa - Shear Modulus of Core Material (G): min. 1.25 MPa - Compressive Strength of Core Material (σm): min. 0.060 MPa (or Compressive Stress (σ10): min. 0.060 MPa) Properties of Panel: - Shear Strength After Long-Term Loading (fcv long time): t: 1,000 hours, min. 0.035 MPa t: 2,000 hours, min. 0.030 MPa t: 100,000 hours, min. 0.015 MPa - Tensile Strength of Panel in Transverse Direction (fct) min. 0.018 MPa - Bending Moment Capacity and Stiffness (Mu) FLAT: min. 2.00 kNm/m- REVERSE: min. 1.50 kNm/m - Torsional Stress (σw) FLAT: min. 100 MPa REVERSE: min. 100 MPa - Bending Moment Capacity on a Central Support: FLAT: min. 1.00 kNm/m REVERSE: min. 1.00 kNm/m - Torsional Stress on a Central Support (σw) FLAT: min. 70 MPa REVERSE: min. 70 MPa - Reaction to Fire: B.S2.d0

3- Mechanical Properties of Metals Used as Polyurethane (PUR) Filled, Coating: (Roof Panel) Steel Surfaces: - Thickness Tolerance (TS EN 10143): Nominal - Yield Strength: min. 220 N/mm². Properties of Core Material: - Polyurethane (PUR) - Thermal Conductivity (λ): max. 0.023 W/mK - Density (kg/m³): 37±2.5 - Thermal Stability (according to TS EN 13165): max 1% - Properties of Panel: - Shear Strength of Core Material (fcv): min. 0.12 MPa - Shear Modulus of Core Material (G): min. 2.40 MPa- Creep Coefficient (Φt, t=100,000 hours) - (Free Load): max. 1.65 , Creep Coefficient (Φt , t=2,000 hours) - (Snow Load): max. 1.31 - Compressive Strength (σ10): min. 0.10 MPa - Shear Strength After Long Term Loading (fcv long time): t: 1,000 hours, min. 0.060 MPa t: 2,000 hours, min. 0.060 MPa t: 100,000 hours, min. 0.040 MPa - Tensile Strength of the Panel in the Transverse Direction (fct): (roof) min. 0.050 MPa - Bending Moment Capacity and Stiffness (Mu): Roof Flat: 3.45 kNm/m, Roof Inverted: 3.0 kNm/m - Torsional Stress (σw) Roof Flat: 160 MPa, Roof Inverted: 190 MPa - Bending Moment Capacity on a Central Support: Roof Flat: 3.80 kNm/m, Roof Inverted: 3.0 kNm/m - Torsional Stress (σw) on a Central Support: Roof Flat: 175 MPa, Roof Inverted: 170 MPa

4- Mechanical Properties of Metals Used as Polyurethane (PUR) Filled, Coating: (Facade Panel) Steel Surfaces: - Thickness Tolerance (TS EN 10143): Nominal - Yield Strength: min. 220 N/mm². Properties of Core Material: - Polyurethane (PUR) - Thermal Conductivity (λ): max. 0.023 W/mK - Density (kg/m³): 37±2.5 - Thermal Stability (according to TS EN 13165): max 1% - Properties of Panel: - Shear Strength of Core Material (fcv): min. 0.12 MPa - Shear Modulus of Core Material (G): min. 2.40 MPa - Creep Coefficient (Φt, t=100,000 hours) - (Free Load): max. 1.65 , Creep Coefficient (Φt , t=2,000 hours) - (Snow Load): max. 1.31 - Compressive Strength (σ10): min. 0.10 MPa - Shear Strength After Long-Term Loading (fcv long time): t: 1,000 hours , min. 0.060 MPa t: 2,000 hours , min. 0.060 MPa t: 100,000 hours , min. 0.040 MPa - Panel Transverse Tensile Strength (fct): (facade) min.0.040 MPa - Bending Moment Capacity and Stiffness (Mu): Facade Flat: 3.0 kNm/m, Facade Inverse: 2.0 kNm/m - Torsional Stress (σw) Facade Flat: 150 MPa, Facade Inverse: 130 MPa - Bending Moment Capacity on a Central Support: Facade Flat: 2.80 kNm/m, Facade Inverse: 1.70 kNm/m - Torsional Stress on a Central Support (σw): Facade Flat: 140 MPa, Facade Inverse: 100 MPa - Reaction to Fire: B-s2-d0

e-imzalı/e-signed

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