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*	023319-TSE-01/05
BELGENİN İLK VERİLİŞ TARİHİ *DATE OF FIRST ISSUE OF LICENCE*	28.12.2011
BELGENİN SON GEÇERLİLİK TARİHİ *LICENCE VALID UNTIL*	04.05.2024
BELGE SAHİBİ KURULUŞUN ADI *NAME OF THE LICENCE HOLDER*	KİNGSPAN YAPI ELEMANLARI ANONİM ŞİRKETİ
BELGE SAHİBİ KURULUŞUN ADRESİ *ADRESS OF THE LICENCE HOLDER*	YILDIZ MAH. ÇIRAĞAN CAD. NO:97 /8 BEŞİKTAŞ İSTANBUL/TÜRKİYE
ÜRETİM YERİ ADI *NAME OF THE MANUFACTURING PLACE*	KİNGSPAN YAPI ELEMANLARI ANONİM ŞİRKETİ ADANA YUMURTALIK SERBEST BÖLGE ŞUBESİ
ÜRETİM YERİ ADRESİ *ADRESS OF THE MANUFACTURING PLACE*	ADANA YUMURTALIK SERBEST BÖLGE 3 NOLU PARSEL 01960 CEYHAN ADANA / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa) *INDICATION OF SUPERSEDED LICENCE (if any)*	023319-TSE-01/04
TESCİLLİ TİCARİ MARKASI *REGISTERED TRADE MARK*	kingspan
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 – Factory made products

Types:
1- Polyisocyanurate (PIR) Filled, Metal Faced Insulating Panels (Wall Panels) Mechanical Specifications of the Metals Used as Coating: Steel Surfaces: - Thickness Tolerance (TS EN 10143): Nominal - Yield Strength: min. 220 N/mm². Specifications of Core Material: Polyisocyanurate (PIR), Thermal Conductivity (λ): max. 0.025 W/mK - Density: 38±2(Kg/m3) - Dimensional Stability (TS EN 13165 Table 5, DS(23,90) 4, Test Condition Length ≤1%, width ≤1%, thickness ≤4%, Specifications of the Panel: - Shear Strength of Core Material (fcv): min. 0.06 MPa - Shear Modulus of Core Material (G): min. 2.5 MPa - Compression Strength (σ10): min. 0.12 MPa - Shear Strength after Long Term Loading (fcv long term): t: 1,000 hours, min. 0.040 MPa t: 2,000 hours, min. 0.030 MPa t: 100,000 hours, min. 0.018 MPa – Cross Panel Tensile Strength (fct) min. 0.018 MPa – Cross Panel Tensile Modulus at Elevated Temperatures: min. 0.018 MPa - Bending Moment Capacity and Rigidity (Mu) STRAIGHT: min. 3.00 kNm/m REVERSE: min. 1.7 kNm/m - Wrinkling Stress (σw) STRAIGHT: min. 120 MPa REVERSE: min. 120 MPa - Bending

e-imzalı/e-signed

05.06.2023

On Behalf Of The Head Of Certification Center
FATİH KURT

TSE ADANA CERTIFICATION DIRECTOR

*TSE * Address: Yakapınar Mah. D-400 Bulvarı No:174 Yüreğir * Telephone: 03224581940-41* Fax: 03224588243
*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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Markanın Tanımı Description of the Mark

TSE veya/or  veya/or TSE

(023319-TSE-01/05nolu belge devamı) : KİNGSPAN YAPI ELEMANLARI ANONİM ŞİRKETİ
İLGİLİ TÜRK STANDARDI(*RELATED TURKISH STANDARD*) TS EN 14509 / 02.04.2014

Moment Capacity Over a Central Support: STRAIGHT: min. 3.25 kNm/m REVERSE: min. 1.80 kNm/m - Wrinkling Stress Over a Central Support (σw) STRAIGHT: min. 100 MPa REVERSE: min. 70 MPa - Reaction to Fire: B.S2.d0, Fire Resistance Class: EI 60 (Fire Resistance Class is the result obtained for the system in the detail specified in the test report no. 405326 and 405333 dated 04 May 2018).

2- Polyisocyanurate (PIR) Filled, Metal Faced Insulation Panels (Roof Panels) Mechanical Specifications of the Metals Used as Coating: Steel Surfaces: - Thickness Tolerance (TS EN 10143): Nominal - Yield Strength: min. 220 N/mm2. Specifications of Core Material: Polyisocyanurate (PIR) - Self-adhesive, Thermal Conductivity (λ): max. 0.025 W/mK - Density: 38±2 (Kg/m3) - Dimensional Stability (TS EN 13165) DS (23,90) 4: length ≤1%, width ≤1%, thickness ≤4%, DS (-20,-)2: length 0.5%, width 0.5%, thickness %2, Specifications of the Panel: - Shear Strength of Core Material (fcv): min. 0.06 MPa - Shear Modulus of Core Material (G): min. 2.50 MPa - Creep Coefficient (Φt, t=100,000 hours) - For Roofs (Free Load): max 4.00, Creep Coefficient (Φt, t=2,000 hours) - For Roofs (Snow Load): max. 2.50 - Compression Strength (σ10): min. 0.12 MPa - Shear Strength After Long Term Loading (fcv long time) : t: 1,000 hours min. 0.040 MPa, t: 2,000 hours min. 0.030 MPa, t: 100,000 hours, min. 0.018 MPa – Cross Panel Tensile Strength (fct) min. 0.018 MPa – Cross Panel Tensile Modulus at ElevatedTemperatures: min. 0.016 MPa - Bending Moment Capacity and Rigidity (Mu) STRAIGHT: min. 3.00 kNm/m REVERSE: min. 1.70 kNm/m - Wrinkling Stress (σw) STRAIGHT: min. 120 MPa REVERSE: min. 120 MPa - Bending Moment Capacity over a Central Support: STRAIGHT: min. 2.50 kNm/m REVERSE: min. 1.80 kNm/m - Wrinkling Stress Over a Central Support (σw) STRAIGHT: min. 100 MPa REVERSE: min. 70 MPa - Reaction to Fire: B.S2.d0, External Fire Performance: Bçatı(t1) (where “çatı” = “roof”) (Scope Extended: 29 November 2018)

e-imzalı/e-signed

05.06.2023

On Behalf Of The Head Of Certification Center
FATİH KURT

TSE ADANA CERTIFICATION DIRECTOR

*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.
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*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