

Material Presentation Airport Solutions





Teknopoliderz 2K

Polyurethane Joint Filler



TS 5926 DIN EN 14188-2 STANDARD

Description:

Jet-Fuel and oil resistant, two components, self levelling, elastomeric, cold applied ,tar modified polyurethane based joint filler

Uses:

Teknopoliderz 2K provides the water insulation between the concrete elements. It is a cold applied sealant, which is resistant to jet fuel, fuel and motor fuel oils and used in the related fields such as:

- Runways, parking ways and garages at airports,
- Flooring and connection joins for over ground fuel storage depot sand loading bays for fuel oil and motor fuel oils,
- It used concrete, surface hardener, asphalt, natural stone, mosaic and sheet metal surfaces with suitable primer

• It is used between Asphalt-Asphalt, Asphalt -Concrete, Concrete-Concrete. Depth should be half size of width. Minimum joint fill depth should be 1 cm

- Can be applied in electrical cable joint
- Military fields
- Garage flors and car washing bays,
- Underground garages,
- Car parks (where elastic or plastic insulation exists),
- Connection joints of bituminous coverings to concrete covering sand concrete objects,
- Cracks on the asphalt and concrete roads

Feature and Benefits:

- Polyurethane based, solvent free,
- Teknopoliderz 2K has the technical specification characters of standards TS 5926 EN 14188-2,
- American Federal Specification SS-S-00200D and British Standard 5212
- Indoor and outdoor application,
- Easy to apply,
- Extremely flexible,
- Resistance to UV
- Resistant against weathering
- Good temporary resistance to a wide variety of solutions nd fuel, jet fuel and oil,







Substrate Quality

All surfaces must be clean, dry and free from all loosely adhering particle. Correct joints depths can be established by inserting polyethylene foam in to the joint. Where joints have been formed with the fiber filler board, this must be raked back to the required depth and a bond breaker tape inserted. Protect surfaces with masking tape.

Priming: Use Teknobond 110 Primer, for all cement bound building materials, exposed brick work, asbestos

cement, natural and artificial stone work, polyester and hard PVC.

Mixing: Using a low speed drill (500 -800 rpm) thoroughly mix the contents of component A, before adding component B. After adding, mixing together for not less than 3 min. untill a smooth even consistency is achieved.

Application Tools

Joint Filler Machine , Joint Filler Application Gun, Masking Tape

Substrate and Ambient Condition $+5^{\circ}C - +50^{\circ}C$

Cleaning of Tools

Clean all tools and application equipment with TeknoTiner immediately after use. Hardened/cured material can only be mechanically removed

Pot Life

Approx 35-45 min at 20°C

Application and Limitation

- Foreign material should not be added
- Do not apply under the rain





Technical Data

Туре:	Liquid, Polyurethane and ifnecessary Tar added
Color:	Black, Grey, Redand White
Density:	1,30 ± 0,05 kg/lt.
Pot Life:	35-45 minutes +20°C
Hardness:	20±5 Shore A
Volume Solids (%)	100
Permissible Deformaton	± %25
Application T mperature:	Between +5 °C and +50°C degrees
Temperature Resistance Up To	70 °C
Elongation:	~ 600% (at break)
Elastc Recivery (%)	>% 90
Curing Rate:	Depends on temperatureapp 3 -12 Hours
Primer (Teknobond 110):	15 kg.
Standard	According to TS 5926 EN 14188-2
Packing	10 kg Set





Teknobond 900

Two Component, High Performance, Methyl Metacrylate (MMA) Based Quick Fitting and Repairing Mortar



Product Description

TEKNOBOND 900 is MMA based high performance, solvent free, elastic and quick fitting and repairing mortar with two components. It is suited for inside and outside areas.

Uses

• Anchoring of the rails, machines, traffics signs to floors.

• Because of high chemical resistance, it can be used in production facilities, depots and asphalt grounds.

• Can be used with concrete, brick, and mosaic (terrazzo) substrates.

• Airport, military areas

• Repairing concrete floors and runways of helicopters and airplanes.

• Substrates where chemical resistance or impermeability to water, oil and petrol is required.

• In interior and exterior situations.

Features and Benefits

It can be opened to traffic 1 hour after application (pedestrian, vehicle, airplane traffic)
UV resistance

• It has a thermoplastic elasticity so that it does not crack in itself

• Adheres to concrete, brick, and mosaic substrates perfectly.

- Ready to mix, pre-batched units.
- Resistant to water and freeze-thaw cycle.

• Good resistance for heavy load, weather conditions and lots of chemicals.

• Good stress, vibration and impact resistance.

• Resistant against tensions and vibrations rooting from temperature differences.

- Impermeable to water and other liquids.
- Long lasting, anti-bacterial, and easy to apply.
- Monolithic working with parent substrates.
- It has thermoplastic flexibility and short curing time.
- Solvent free.

Preparation of Substrate

The surfaces must be clean, dry, sound and free from dust, grease or any loose material. Old concrete surfaces contaminated with oil or grease requires suitable preparation such as steam cleaning in conjunction with a suitable detergent. If it is a new surface wait for the solidification time.

The air circulation of the application area must be in good condition.





Mixing: The components are produced according to right mixing ratio. Mix the resin (component A) and hardener (component B) thoroughly with a mechanical mixer with a 400 - 600 RPM mixer in a clean container at least 3 minutes to have a homogenous mixture.

Primer: Teknobond 910 should be applied as a primer.

Application Method

Pour the mixed TEKNOBOND 900 directly onto the prepared surface. Use an appropriate trowel to spread and shape it. It dries in 1 hour. Fix all mistakes with emery paper or machine.

Watchpoints

• Never add any other chemicals (i.e. thinners). It will prevent proper curing and change mechanical properties of the product.

• Use all the prepared mixture in 20 minutes. TEKNOBOND 900 has to be mixed with an appropriate mixing drill. Never mix with hand or trowel.

Avoid application under temperatures

below +5°C and over +50°C.

• Avoid splitting pre-batched units to mix. Mix complete units only.

• Cured material can only be removed mechanically.

Storage

The shelf life of TEKNOBOND 900 is 12 months. Store in cool, dry and frost free conditions.

Health and Safety

• All skin contact with MMA products should be avoided.

• In case of contact with skin, rinse immediately with water and soap.

• Operatives should wear protective clothing including gloves, masks and glasses.

• Working areas should be well ventilated.

• In the event of fire use foam, dry chemical or carbon dioxide.

• If swallowed by accident, consult a doctor urgently.

• Do not add any additives other than those stated in the Application Instructions.





Technical Data

Color	Gray and Other Colors
Using Form	Self-levelling
Compressive Strength	> 60 N/mm ² (TS EN 196)
Flexural Strength	> 20.0 N/mm ²
Bonding Strength (Steel)	> 5.0 N/mm ² (TS EN 1542)
Bonding Strength (Concrete)	> 3,0 N/mm ² (TS EN 1542)
Elasticity Module	> 4480 N/mm ²
Pot Life	20 minutes (at 20°C)
Loading capability	1 hour (at 20°C)
Consumption	> 2000 kg/m ³
Application Ground Temperature	(+5°C) - (+50°C)







TÜRK STANDARDLARI ENSTİTÜSÜ TÜRK STANDARDLARINA UYGUNLUK BELGESİ

TURKISH STANDARDS INSTITUTION

CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS



043594-TSE-13/01

01.08.2018

01.08.2019

BELGE NUMARASI REFERENCE NUMBER OF LICENCE

BELGENİN İLK VERİLİŞ TARİHİ DATE OF FIRST ISSUE OF LICENCE

BELGENIN SON GEÇERLİLİK TARİHİ LICENCE VALID UNTIL

BELGE SAHİBİ KURULUŞUN ADI NAME OF THE LICENCE HOLDER

BELGE SAHİBİ KURULUŞUN ADRESİ ADRESS OF THE LICENCE HOLDER

ÜRETİM YERİ ADI NAME OF THE MANUFACTURING PLACE **ÜRETİM YERİ ADRESİ**

ADRESS OF THE MANUFACTURING PLACE **İPTAL EDİLEN BELGE NUMARASI (Varsa)**

INDICATION OF SUPERSEDED LICENCE (if any) **TESCILLI TICARI MARKASI** REGISTERED TRADE MARK

ILGILI TÜRK STANDARDI RELATED TURKISH STANDARD ORG.DERİ SAN.BÖL. ARITMA C.GERGEF S. NO:6 TUZLA **İSTANBUL/TÜRKİYE**

TEKNO YAPI KİMYASALLARI SANAYİ VE TİCARET ANONİM ŞİRKETİ

TEKNO YAPI KİMYASALLARI SANAYİ VE TİCARET A.Ş.

TUZLA DERİ ORGANİZE SANAYİ BÖLGESİ ARITMA CAD. GERGEF SOK. NO:6 C5-3 ÖZEL PARSEL TUZLA İSTANBUL / TÜRKİYE

TEKNO YAPI KIMYASALLARI

TS 5926 EN 14188-2 / Derz dolguları ve derz sızdırmazlık malzemeleri -Bölüm 2: Soğuk uygulamalı derz sızdırmazlık malzemeleri - Özellikler 16.03.2006

BELGE KAPSAMI SCOPE OF LICENCE

Derz dolguları ve derz sızdırmazlık malzemeleri, Soğuk uygulamalı derz sızdırmazlık malzemeleri

"Teknopoliderz 2K" ürün kodlu Sistem: M (Çok bileşenli sistem), Tip: sl Yüzeyi kendiliğinden düzlenen (akıcı), Sınıf: B (Jet yakıtı ve buz çözücü kimyasallara temas edecek şekilde kullanılan)

e-imzalı/e-signed

01.08.2018

Belgelendirme Merkezi Başkanı Adına AHMET NURSİ KARTAL TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir. 'Bu belge hiç bir suretle tahrif edilemez, kısmen veya okunmasını zontaştıracak şekilde çoğatlılamaz, kazıntı ve silinti yapılamaz, 'TSE İSTANBUL BELGELENDIRME MIDDENLÜĞÜ * Adres: Çayrova Tren İstasyonu Yanı ÇAYIROVA/GEBZE * Tel: 2627231273* Faks: 2627231606 *TSE BELGELENDIRME MERKEZİ BAŞKANLIĞI; Adres: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Tel: 0 312 416 64 81 / 416 64 27, Faks: 0 312 416 66 17



https://evrakkontrol.tse.org.tr/BelgeDogrulama.aspx?p=tu9jivvh adresinden belgenin doğruluğunu ve geçerliliğini sorgulayınız.





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		Notifio	d Body purs	uant to the	Construction I	Products	Regulation
		Notine	P	ermission N	CPR-26-NE	32765/03.	05.2018 o
	1.55		Ministry	of Regiona	C 11		
Certificat	te of	f Con	torm	ity o	t the	гас	tory
	-			Cont	ral		
	Pr	oduc	tion	Cont	roi		
		Nº 27	65-CPR-	0029			
Annex I - List o	f prod	ucts and	system	s for the	e protecti	on and	d repair
union i more		of cond	crete stru	uctures			
			Decla	red character	istics		
		T			Restrained	Elastic	
Product	0	Compressive	Chloride ion	Adhesive	shrinkage/	modulus	absorption
	Class	(EN 12190)	(EN 1015-17)	(EN 1542)	expansion (FN 12617-4)	(EN 13412)	(EN 13057
				1000	(21112011-1)		DACC
TEKNO AD	R4	PASS	PASS	PASS	PASS	PASS	PASS
TEKNOBOND 200	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 300	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 400	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 400 D	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 401	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 420	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 500	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 500 P	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 800	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 850	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 850 P	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 860	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 900	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 920	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND 930	R4	PASS	PASS	PASS	PASS	PASS	NPD
TEKNOBOND AD	R4	PASS	PASS	PASS	PASS	PAGO	DASS
TEKNOGROUT 350	F94	PASS	PASS	PASS	PASS	PAGG	PASS
TEKNOGROUT	P94	PASS	PAGO	PASS	PASS	PASS	PASS
TEKNOGROUT, EX	P4	PADO	NDD	PAGO	PAGG	NPD	PASS
TEKNOGROUT RAPID	R2	PADO	NPD	PAGG	NPD	NPD	NPD
TEKNOREP 100 INCE	RI D1	DAGC	NPD	PASS	NPD	NPD	NPD
TEKNOREP 100 KALIN	82	PASS	NPD	PASS	PASS	NPD	PASS
TERMOWER 110	R1	PASS	NPD	PASS	NPD	NPD	NPD
TEKNOREP 120	NI	THOU	1110		DACC	NPD	PASS
TEKNOREP 120	R2	PASS	NPD	PASS	PAGO		Phoo

Asen Hristov

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The validity of certificate can be traced on http://public.szutest.com.tr/Certificate/Index

The certificate will be reissued each year after annual surveillance audit.

SZUTEST LTD Str. Dobur Yunak 6, Sofia 1421, Bulgaria

szutest.com



TEKNO

DECLARATION OF PERFORMANCE

YAPI KİMYASALLARI

TEKNOPOLIDERZ 2K

1. Identification code of the product type	TEKNOPOLIDERZ 2K			
2. Type, batch or serial number or any other element allowing identification of the construction product	Cold Applied sealant for fuel resistant joints in concrete roads and pavements			
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer	Sealant for fuel resistant joints in concrete roads and pavements. Sealant for joints in plants for the containment, handling and filling of substances hazardous to water			
4. Name and address of the manufacturer	TEKNO YAPI KİMYASALLARI SAN. VE TİC. A.Ş. Tuzla Deri OSB Arıtma Cd.Gergef Sk.No:6 Orhanlı Tuzla İSTANBUL			
5. Name and address of the authorized representative	Not Relevant			
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	Sistem 4 : Sealant for fuel resistant joints in concrete roads and pavements			
 in case of the declaration of performance concerning a construction product covered by a harmonized standard 	EN 14188-2 and ETA 07/0050			
8. In the case the declaration of performance concerning a constructions product for which a European Technical assessment has been issued	Not Relevant			

TEKNO YAPI KİMYASALLARI SAN. TİC. AŞ İstanbul Fabrika : Tuzla Deri OSB Arıtma Cd.Gergef Sk.No:6 Orhanlı Tuzla İstanbul Tel: 02164291000 Kayseri Fabrika : Organize Sanayi Bölgesi 4. Cad NO: 6 Melikgazi / Kayseri Tel: 03523222260 Afyon Fabrika : Organize Sanayi Bölgesi 2. Cad 9. Sok No: 1 / Afyonkarahisar Tel : 02722212090 www.teknoyapi.com.tr info@teknoyapi.com.tr

Sayfa 1/2



TEKNO YAPI KİMYASALLARI Declarated Performance	ECLARATION OF PERFORMANCE				
Essential Characteristics	Performance	Test Method	Harmonized Technical Specification		
Bonding Strength At +23 °C At -20 °C	≥ 0,15 MPa ≤ 0,60 MPa	EN 28340			
Cohesion At -30 °C	≤ 1,00 MPa	EN 14187-9			
Elastic Recovery	<u>≥</u> %70	EN ISO 7389	EN 44400.0		
Durability of cohesion against liquid chemicals (jet fuel) Mass Change Volume Change	< 25 < 30	EN 14187-4	EN 14188-2		
Cohesion Resistance Against Liquid Chemicals Adhesion / Cohesion Failure	No Failure	EN ISO 7389			
Resistance to Flame	Pass	EN 14187-7	-		

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by Place and Date of Issue: ISTANBUL 27/08/2014

Manager

TEKNO YAPI KİMYASALLARI SANAYİ VE TİCARET A.Ş. Tuza Deri O.Ş.B. Arıtma Cad. Gergef Sk. No:6 Orhanti Tuzia/ISTANBUL Tel: 0216 429 10 00 Fax: 0216 429 02 00 TUZLA V.D.: 836 042 0027

Orkun EKIN General Manager

TEKNO YAPI KİMYASALLARI SAN. TİC. AŞ İstanbul Fabrika : Tuzla Deri OSB Arıtma Cd.Gergef Sk.No:6 Orhanlı Tuzla İstanbul Tel: 02164291000 Kayseri Fabrika : Organize Sanayi Bölgesi 4. Cad NO: 6 Melikgazi / Kayseri Tel: 03523222260 Afyon Fabrika : Organize Sanayi Bölgesi 2. Cad 9. Sok No: 1 / Afyonkarahisar Tel : 02722212090 www.teknoyapi.com.tr info@teknoyapi.com.tr

Sayfa 2/2



SZUTEST SERTIFIKA Kalite Yönetim Sistemi SERTIFIKA NO: 11518101 TEKNO YAPPI KİMYASALLARI SAN. VE TİC. A.Ş. Merkez : Tuzla Deri O.S.B Arıtma Cad. Gergef Sok. No:6 Ç-S özel Parsel TUZLA İSTANBULTU

Merkez : Tuzla Deri O.S.B Arıtma Cad. Gergef Sok. No:6 Ç5-3 Özel Parsel TUZLA İSTANBUL/TÜRKİYE Fabrika : O.S.B. 4. Cad. No:6 MELİKGAZİ KAYSERİ/TÜRKİYE Fabrika : Afyonkarahisar O.S.B. 2. Cadde 9. Sok. No:1 AFYON/TÜRKİYE

ISO 9001:2015

Çimento, Epoksi, Poliüretan Alçı Esaslı Yapı Kimyasallarının (Beton Harçları, Sıva, Yapıştırıcı ve Katkıları ile Isı-su İzolasyon Malzemeleri) Kompozit-Güçlendirme Malzemeleri (Karbon, Aramid Cam Elyaf) Tasarımı, Üretimi ve Satışı.

EA Kodu : 12/15

Szutest yukarıda ayrıntıları belirtilen bu sertifika ile kuruluşun ilgili standart şartlarına uygun bir yönetim sistemine sahip olduğunu onaylar. Bu belge; belge geçerlilik süresince gerçekleştirilecek gözetim denetimleri sonucunda yönetim sisteminin başarılı bulunması şartı ile aşağıda belirtilen belge geçerlilik tarihine kadar geçerlidir.

İlk Yayın Tarihi Yayın Tarihi Geçerlilik Tarihi Periyod Bitiş Tarihi

30.06.2015 29.06.2018 28.06.2019 i 28.06.2021



Sistem Belgelendirme Müdürü

Bu belgenin sorgulanması, belge üzerinde bulunan kare kodların mobil cihazlara okutulması veya kare kod altında bulunan numaranın üstteki kod için SZUTEST http://public.szutest.com.tr adresinden, altaki kod için https://tbds.turkak.ogr.tr adresinden doğrulanmasıyla gerçekleşir.

FR.SB.60 R:3

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OUR REFERENCES

Georgia Tbilisi Airport, Georgia TAV Skopje Airport, Macedonia Jeddah King Abdulaziz International Airport, Saudia Riyadh Airport - King Khalid International Airport,, Saudia Enfidha-Hammamet International Airport -Tunusia Ashgabat International Airport, Turkmenistan Algiers Houari Boumediene Airport, Algeria Istanbul Atatürk Airport Istanbul 3rd Airport Istanbul Sabiha Gökçen Airport **Bodrum Airport** Adnan Menderes Airport Adana Airport **Dalaman Airport** Elazığ Airport Esenboğa Airport **Erzincan Airport** Mardin Airport Gaziantep Airport Konya Airport Diyarbakır Airport 1st Air Force Command 2nd Air Force Command **3rd Air Force Command** 8th Air Force Command Balıkesir Air Force Command Bandırma Air Force Command Akhisar Air Force Command Sinop Airport Gökçeada Airport Van Airport Malatya Airport Kars Airport Adana - İncirlik Air Base THY Kargo, İnşaat ve Teknik A.Ş Tav Alanya Gazipaşa Airport Antalya Airport **Batman Airport** Balıkesir – Edremit Airport Samsun Airport **Bingöl Airport Urfa Airport** Hakkari Airport Iğdır Airport Nevşehir Kapadokya Airport Kahramanmaraş Airport