

BITUMEX

Rumba *BITUMEX RG1.5,SA* *High Density Polyethylene Flexible Membrane*

Description of Product:

Self adhesive Rumba Bitumex Spa membrane with a thickness of 1.5mm, 1.6mm, 2mm, consisting of rubberized bitumen Libero with adhesive additives, Glass fiber carrier, PP removable film at bottom and (HDPE)high density polyethylene film at top.

Reinforcement: Glass-fiber Libero/reinforcement gives Rumba very excellent dimensional stability especially at hot weather conditions.

Surface Finish: Silicon type removable PP film at bottom and high density polyethylene film at top.

Typical Application Areas:

Applied on surfaces which are to be protected against water penetration:

Roofs-protection of cement roofs, protection of wooden roofs, even with high sloping; protection of ventilated metal roofs.

Concrete- Ideal for waterproofing concrete, masonry and wood surfaces where in-service temperatures will not exceed 54° C. Use with Bitumex Primers.

Features and Benefits:

- Eliminated the need for torching or mopping
- Ensured quick, clean and easy lapping of rolls
- No open flame on your roof
- Clean and neat application
- Safe application
- 100% UV protected



Basic Application Instructions:

Cold applied. Need primer application before membrane application.

Surface Preparation and Priming:

A fundamental requirement of any bituminous membrane system is that it must provide protection from all weather conditions likely to be experienced during its design life. All individual layers in a bituminous membrane system must be watertight, and together the whole system must be waterproof.

Application area should be removed from stains and be smooth.

For this purpose, Bitumen Primer needs to be applied on surface before application. Cover primed surfaces with self-adhered roofing membranes the same day.

Application of Membrane:

Fully Adhered

1- Starting at the roof drains and vertical to the roof slope, apply the self-adhesive membrane without adhering in parallel lines. Unroll onto the below surface for alignment. Do not immediately remove the release sheet.

2. Overlap the membrane next to another along the side lap and the ends.

Side overlap creates longitudinal overlap between two sheets. End overlap creates a joint between shorter sides of the sheets. To overlap at side laps, just remove the PP bant (7.5cm) and apply to the adjacent membrane practically. Ensure full adherence. Stagger the end joints by a minimum of 61cm.

3. Release the PP film and adhere this part of the self-adhesive membrane to the surface.

Release PP film on the remaining part at a 45° angle to avoid wrinkles in the self-adhesive membrane sheet.

4. Overlap adjacent self-adhesive membrane by 9cm. Overlap end laps by 15cm. Stagger end laps by a minimum of 61cm. Finish with weighted roller to ensure a continuous adherence to the surface.



Bitumex Membranes Safety Precaution:

Bitumex products must be applied by qualified applicators who have received an adequate training, for the prevention and the protection (in particular for the use of the extinguishers) against accidents caused by the combustible or flammable materials, of liquefied propane gas, open flame and their material of installation.

Check the construction and the composition of the systems of roof and the walls before applying. Ensure the cleanliness of the places. Use only proper torching equipment in perfect working order certified by local standard organizations. Use only proper hoses suited for propane gas of less than 15m.

Verify and tighten all the connections before the use of the equipment. Do not light the torch if a propane odor is present. Never seek a leak with a flame. Use soapy water. Use a torch whose gas output is adjustable with a stopping device.

Follow the specifications, notices and documentations of the manufacturer and site authorities.

The wearing of gloves, long sleeves, long trousers, safety boots, helmet and safety glasses is recommended. Do not wear synthetic fabrics. Remove clothing contaminated with solvents . Avoid skin contact. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Whilst using, do not eat, drink or smoke. In the event of any localized changes in appearance or texture of the skin being noticed, medical advice should be sought without delay. Contact with hot product will cause burns.

Ensure good ventilation and avoid, as far as reasonably practicable, the inhalation and contact with vapours, mists or fumes which may be generated during use.

If such vapor, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

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Avoid contact with eyes:

Highly toxic hydrogen sulphide gas may be emitted from hot product and accumulate in enclosed spaces or tanks. Extreme care must therefore be taken during venting of closed spaces which have, at any time contained hot product. Under no circumstances should entry be made in to small enclosures without taking full precautions.

Storage:

Flashings must be stored in such a way to prevent any creasing, twisting, scratches and other damages of the roof. The materials will be protected adequately and stored permanently away from flames or welding sparks, protected from bad weather and any harmful substances. Keep all membranes upright.

1. Rolls should always be stored and transported at upright position.

2. Bituminous membranes should be stored at closed areas where room temperature is above +5°C. They should never be stored outside as pallets are exposed to direct sun shine and should always be kept away from heat sources.

3. Membrane rolls should not be laid outside if there is no cover on them. High temperature may lead to longitudinal shrinkage and latitudinal expansion at membranes with polyester carrier.

For bituminous membranes, recommended storage shelf-life is 18 months. Later than this date, membrane performance is diminishing.

Packaging:

Pallets are covered by UV Resistant White Shrink

Roll Size : 1m x 20m 1.5mm Rolls per pallet: 25 Rolls (By Container) and 30 Rolls (By Truck)

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High Density Polyrylene Flexible Membrane

Technical Specifications:

PRODUCT PROPERTIES		UNIT	TOLARENCE	RG1,6/1,6/2SPA
Brand Name				Sticky Bitumex Spa
Modification of Bitumen				SBS
Libero With Reinforcement				Glass fiber
Upper Surface				HDPE Film
Lower Release Surface Coating				Silicon Removable Film
LABORATORY TEST	METHOD			
Visual Defects	TS EN 1850-1			None
Thickness	TS EN 1849-1	mm	±0.2	1.5/1.6/2
Length	TS EN 1848-1	m	Min(-0.03)	10/15/20
Width	TS EN 1848-1	cm	Min (-2)	100
Straightness	TS EN 1848-1			
Tensile Strength (Film) (MD/CMD)	ASTM D 882	N/mm		42/48
Elongation (Film) (MD/CMD)	ASTM D 882	%	±10%	210/160
Tensile Strength of Membrane (MD/CMD)	ASTM D 5147	N/mm	±10%	300/200
Elongation of Membrane (MD/CMD)	ASTM D 5147	%		3/2
Puncture (Impact) Resistance	ASTM E 154	N		220
Tear Strength (Film)	ASTM D 1004	N/mm		340/310
Impact resistance	TS EN 12691MTD.A		Min	1200
Softening Point	ASTM D 36	°C		>105
Adhesion to Primer Concrete	ASTM D 1000	Mpa		1.8
Resistance to Hydrostatic Head (Min)	NWSP	Overlap	3000mm	*Pass
Water Tightness (Type T:60kPa,Type A:2kPa)	TS EN 1928 MT.B	kPa		*Pass
Water Absorption(Film)@24hrs	ASTM D 570	%		0.14
Water Vapour Transmission@24hrs	ASTM E 96	g/m2		0.3
Flexibility At Low Temperature	TS EN 1109	°C	±5	≤-15
Reaction to Fire	TS EN 11925-2			E
External fire performance	ENV 1187-2			NPD
Chemical Resistance	ASTM D543	Ph		2.5-11.5
Dangerous Substances		None		None

BITUMEX

"listen to the applicator"

Genel Merkez

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 www.bitumex.com.tr

 **MARDAY**
 "yaşama değer katar"

INSULATION CONSTRUCTION MATERIALS INDUSTRY.

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 +90 216 571 35 35 Tel:0 232 457 07 20 (Pbx)




	TS EN 1849-1 KALINLIK DENEY RAPORU (TEST REPORT)	FR.75.15
		1.7.2008
		Rev:6/29.2.2016

STOPER YAPI ve YALITIM SİSTEMLERİ A.Ş. LABORATUVARI		 Test TS EN ISO/IEC 17025 AB-0561-T
Adres :	Arslanbey O.S.B. Mah. 5 Sokak. No:7 Kartepe Kocaeli/TURKEY	
Tel:	(+90 262) 351 32 32	Fax: (+90 262) 351 33 33
web:	http://www.stoper.com.tr	e-mail: lab@stoper.com.tr
TÜRKAK (Türk Akreditasyon Kurumu) tarafından akredite edilmiştir. Accredited by TÜRKAK (Turkish Accreditation Agency).		AB-0561-T IC1703050TK 10.3.2017

KALINLIK TAYİNİ
DETERMINATION OF THICKNESS

Müşteri Bilgileri / (Customer Information)			
Müşterinin Adı - Adresi Customer Name -Address	Stoper Yapı ve Yalıtım Sistemleri A.Ş.- ÜRETİM BÖLÜMÜ Arslanbey O.S.B. Mah. 5 Sokak. No:7 Kartepe Kocaeli/TURKEY		
Numune Bilgileri / (Sample Information)			
İstek No. Order No.	IC1703050TK	Numune Kabul Tarihi Date of Acception	10.3.2017
Numune No. Sample No.	IC1703050	DeneY Başlangıç Tarihi Starting Date of Test	10.3.2017
Ürün / Numune Adı Product / Sample Name	stickySTOPER RG1,5SA	DeneY Bitiş Tarihi End Date of Test	10.3.2017
Üretim Tarihi Date of Production	10.3.2017	Parti No/Seri No Batch Number	201703100101
Ürün/ Numune Tanımı Product Description	Polimer bitümlü su yalıtım örtüsü Polymer modified waterproofing membrane		
Üretici Firma Adı Adresi Manufacturer Name Address	Stoper Yapı ve Yalıtım Sistemleri A.Ş. Arslanbey O.S.B. Mah. 5 Sokak. No:7 Kartepe Kocaeli/TURKEY		
Numune Alma Sampling	DeneY numunesi müşteri tarafından laboratuvara gönderilmiştir. Test sample was sent to the laboratory by the customer.		
Uygulanan DeneY Metodu Applied Test Method:	TS EN 1849-1/ Ocak 2002		
Rapor Sayfa Sayısı Page Number of Report	2		

DeneY ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deneY metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir .Sonuçlar sadece müşteri tarafından getirilen numune için geçerlidir.
The testing and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report. The results are valid only for the sample brought in by the customer.

Mühür Seal	Tarih Date	DeneY Sorumlusu Person in charge of test	ARGE ve Kalite Sistemleri Müdürü R&D and Quality Systems Manager
	10.3.2017	Serap BAYRAM 	Nilgün ÖZMEN 

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.
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TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

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

BELGE NUMARASI 14.11.54/TSE-447
REFERENCE NUMBER OF LICENCE

BELGENİN İLK VERİLİŞ TARİHİ 29.11.2010
DATE OF FIRST ISSUE OF LICENCE

BELGENİN SON GEÇERLİLİK TARİHİ 29.11.2015
LICENCE VALID UNTIL

BELGE SAHİBİ KURULUŞUN ADI STOPER YAPI VE YALITIM SİSTEMLERİ A.Ş.
NAME OF THE LICENCE HOLDER

BELGE SAHİBİ KURULUŞUN ADRESİ BAYAR CADDESİ ŞEHİT MEHMET FATİH ÖNGÜL SOKAK ODAK
PLAZA A BLOK NO: 5 KAT:5 34742 KOZYATAĞI KADIKÖY/İSTANBUL
İSTANBUL/TÜRKİYE
ADDRESS OF THE LICENCE HOLDER

ÜRETİM YERİ ADI STOPER YAPI VE YALITIM SİSTEMLERİ A.Ş.
NAME OF THE MANUFACTURING PLACE

ÜRETİM YERİ ADRESİ ARSLANBEY ORGANİZE SANAYİ BÖLGESİ KOCAELİ/TÜRK YE
ADDRESS OF THE MANUFACTURING PLACE

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

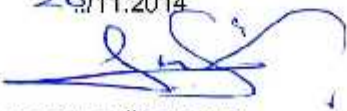
TESCİLLİ TİCARİ MARKASI BITUMEX
REGISTERED TRADE MARK

İLGİLİ TÜRK STANDARDI TS 11758-1 / Polimer Bitürlü Örtüler - Su Yalıtımı İçin - Erime Kaynağıyla
Birleştirilerek Kullanılan - Bölüm 1: Özel ik er / 05.04.2002
RELATED TURKISH STANDARD

BELGE KAPSAMI
SCOPE OF LICENCE

SU YALITIMI AMAÇIYLA ERİTME KAYNAĞI İLE BİRLEŞTİRİLEREK KULLANILAN;
-SINIF 1, TİP 1, TÜR 2, GRUP 1 HER İKİ YÜZÜ POLİETİLEN FİLİMLE KAPLANMIŞ
-SINIF 1, TİP 3, TÜR 2, GRUP 1 HER İKİ YÜZÜ POLİETİLEN FİLİMLE KAPLANMIŞ
-SINIF 2, TİP 1, TÜR 2, HER İKİ YÜZÜ POLİETİLEN FİLİMLE KAPLANMIŞ
-SINIF 2, TİP 3, TÜR 2, HER İKİ YÜZÜ POLİETİLEN FİLİMLE KAPLANMIŞ



26/11/2014


ŞEFİK DEĞİRMENÇİ
SAKARYA BELGELENDİRME
MÜDÜRÜ V.

*Bu belge, belgelendirilen ürünün belirli yerlere Enstitünün belirlediği şartları karşıladığını da gösterir.

SAKARYA* SAKARYA BELGELENDİRME MÜDÜRLÜĞÜ : Organize Sanayi Bölgesi Doğu Kapısı Şehit Zekiye Ömür Yılmaz Cad. Hani / ADAPAZAR * Tel: 2642912675*
Faks: 2642912678 * web: * e-mail:

Bu belge hiç bir suretle tahrif edilmez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılmaz, bazılar ve silinilmez.



American Systems
REGISTRAR

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616-942-6273



American Systems Registrar, LLC, a provider of third-party system registration and accredited by the ANSI-ASQ National Accreditation Board attests that:

STOPER YAPI VE YALITIM SİSTEMLERİ A.Ş.

Arslanbey OSB Fabrikalar Sok. No:11 41285 Kocaeli

with a scope of:

DESIGN AND PRODUCTION OF INSULATION MATERIALS AND WATERPROOFING MEMBRANES

has established a quality management system that is in conformance with the International Quality System Standard

ISO 9001:2008

ASR Certificate Number:	3507
Exclusions:	None
Date of Certification:	May 30, 2014
Date of Certification Expiration:	May 29, 2017
Date of Initial Registration:	June 12, 2008
IAF Scope Category:	14
Revision:	
Re-Issue Date:	



Richelle Kuster

President

CERTIFICATE OF REGISTRATION