



Bauchemie

Construction | Chemicals



# FOX AQUAROOF® SR

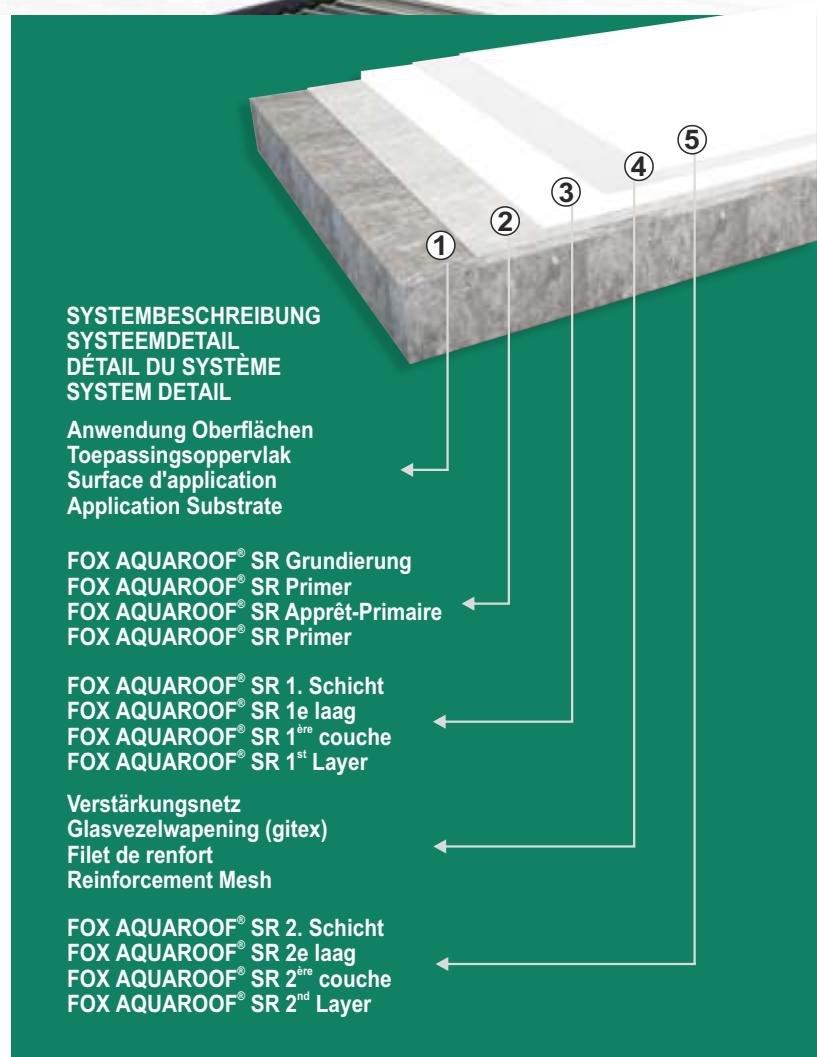
SOLAR REFLECTION & WATERPROOFING

Energiesparendes, hoch schmutzabweisendes, UV-beständiges und sehr flexibles Abdichtungsmaterial.

Energiebesparend, hoge vervuiligingsweerstand, UV-bestendig, super flexibel waterdichtingsmateriaal

C'est un matériau d'étanchéité super flexible permettant des économies d'énergie, résistant à la saleté et aux UV.

It is an energy saving, high pollution resistance, UV resistant, super flexible waterproofing material.



#### SYSTEMBESCHREIBUNG

SYSTEEMDETAIL

DÉTAIL DU SYSTÈME

SYSTEM DETAIL

Anwendung Oberflächen

Toepassingsoppervlak

Surface d'application

Application Substrate

FOX AQUAROOF® SR Grundierung

FOX AQUAROOF® SR Primer

FOX AQUAROOF® SR Apprêt-Primaire

FOX AQUAROOF® SR Primer

FOX AQUAROOF® SR 1. Schicht

FOX AQUAROOF® SR 1e laag

FOX AQUAROOF® SR 1<sup>ère</sup> couche

FOX AQUAROOF® SR 1<sup>st</sup> Layer

Verstärkungsnetz

Glasvezelwapingen (gitex)

Filet de renfort

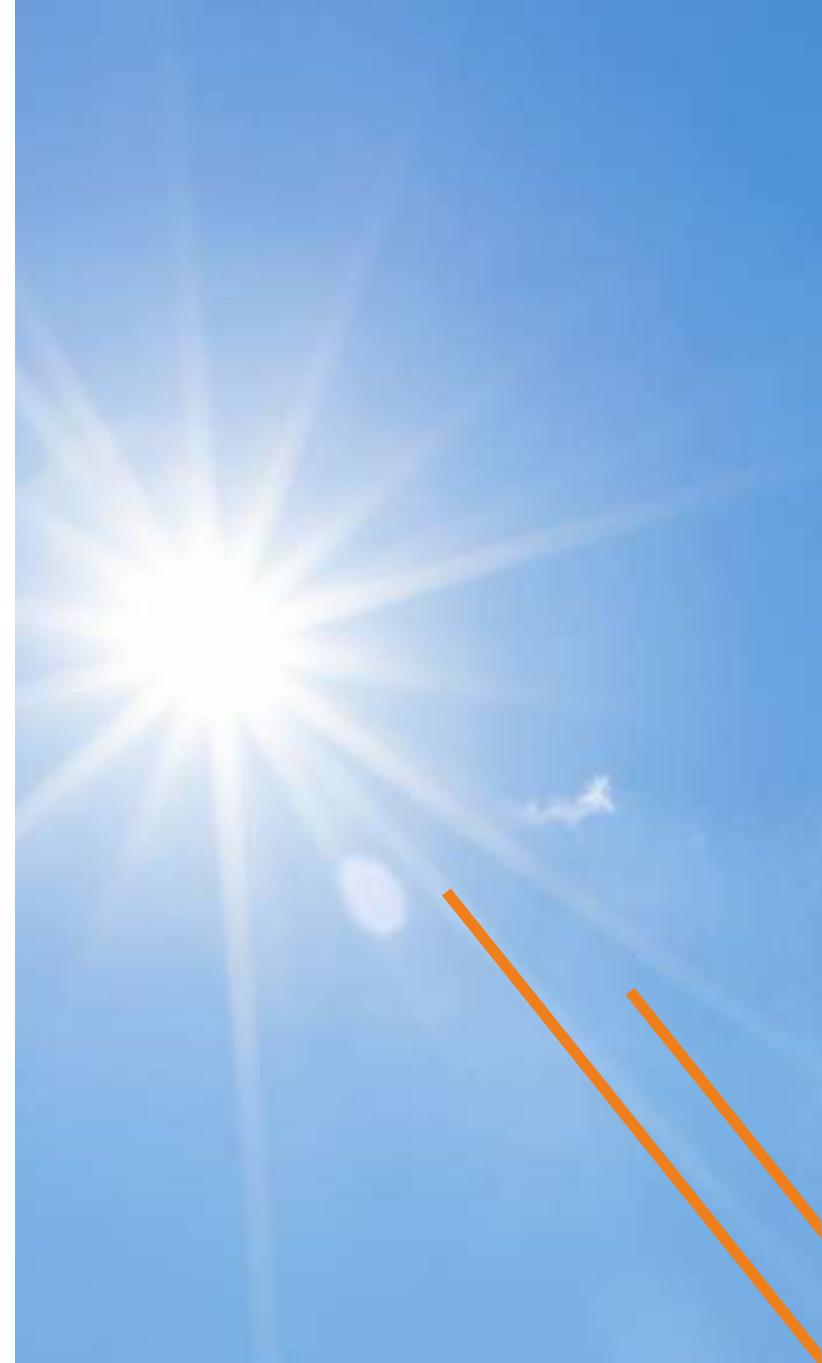
Reinforcement Mesh

FOX AQUAROOF® SR 2. Schicht

FOX AQUAROOF® SR 2e laag

FOX AQUAROOF® SR 2<sup>ère</sup> couche

FOX AQUAROOF® SR 2<sup>nd</sup> Layer



#### DE

- REDUZIERT DIE TEMPERATUR DER DACHOBERFLÄCHE
- SENKT DIE INNENTEMPERATUR DES GEBÄUDES
- SPART ENERGIE
- ERHÖHT DEN INNENRAUMKOMFORT

#### NL

- DE TEMPERATUUR VAN HET DAK WORDT AANZIENLIJK VERLAAGD
- VERLAAGT DE BINNENTEMPERATUUR VAN HET GEBOUW
- BESPAART ENERGIE
- VERHOOGT HET COMFORT BINNEN

#### RF

- RÉDUIT LA TEMPÉRATURE DE LA SURFACE DU TOIT
- RÉDUIT LA TEMPÉRATURE INTÉRIEURE DU BÂTIMENT
- ÉCONOMISE DE L'ÉNERGIE
- AUGMENTE LE CONFORT INTÉRIEUR

#### EN

- DECREASES ROOF SURFACE TEMPERATURE
- DECREASES THE INDOOR TEMPERATURE OF THE BUILDING
- SAVES ENERGY
- INCREASES INDOOR COMFORT





*It lowers the building interior temperature and saves energy...*



#### DE

##### Anwendungsbereiche

- Außen, horizontale und vertikale Anwendungen,
- Weitgespannte Stahlbeton-Terrassen,
- Auf geneigten Terrassendächern,
- Auf bestehenden Dachbeschichtungen aus Schiefer, Fliesen und Metall

#### NL

##### Gebruiksplaatsen

- Buiten, horizontale en verticale toepassingen,
- Terrassen van gewapend beton met grote overspanningen,
- Op schuine terrasoverkappingen,
- Op bestaande dakbedekkingen van leisteen, tegel en metaal.

#### FR

##### Lieux d'Application

- Applications extérieures, horizontales et verticales,
- Sur de grandes terrasses en béton armé,
- Sur les toits et terrasses en pente,
- Sur les revêtements de toit existants, membrane d'ardoise, en céramique et en métal.

#### EN

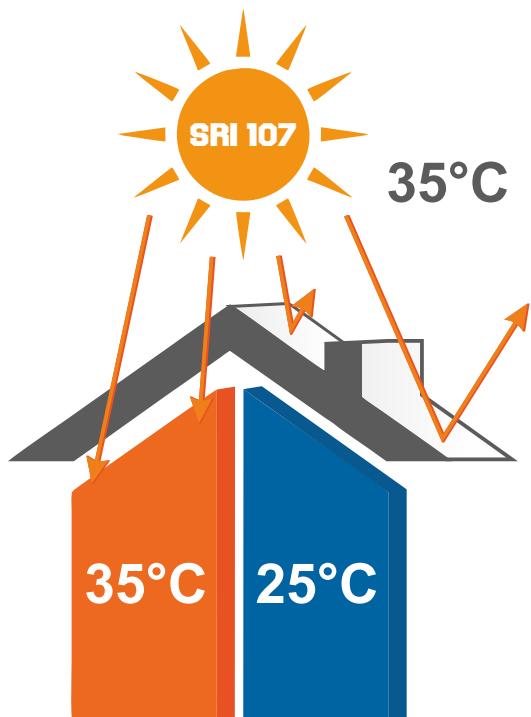
##### Usage Areas

- Outdoors, horizontal and vertical applications,
- On reinforced concrete terraces with wide spans,
- On sloping terrace roofs,
- It is used on existing slate membrane, ceramic, metal roof coverings.

Report N° 0896_21072022	TEST REPORT N° ETR-22-0612																																								
	Page 1/2																																								
<b>GENERAL INFORMATION</b>																																									
<b>Subject:</b>	Test report on testing activities to determine solar reflectance, infrared emittance and solar reflectance index (SRI).																																								
<b>Client:</b>	Beyza Yapi Malzemeleri San. Ve Tic. Ltd. Şti 7. Cadde No: 8 Antalya Organize Sanayi Bölgesi 1.Kism Daire: 1. Daire: 1. Daire: 1. Daire: VAT: 8970384571 Antalya Kuntuler	<b>Client reference person:</b>	Mrs. Beyza Tuncel phone: +90 541 7178891 email: beyza.tuncel@foxbau.com PCN: -																																						
<b>Commitment document:</b>	MO_DG_09 dated 08/07/2022 sent by PCN: Beyza Tuncel	<b>Report release date:</b>	21/07/2022																																						
<b>Notes:</b>																																									
<b>SAMPLE DATA</b>																																									
<p>Data provided by the customer for which the customer assumes full responsibility*</p> <table border="1"> <tr> <td>Product name:</td> <td>FOX AQUAROOF-BR</td> </tr> <tr> <td>Manufacturer:</td> <td>Garten Yapi Matemelik San. Ve Tic. Ltd. Şti</td> </tr> <tr> <td>Short physical description:</td> <td>Product type: Membrane roof-based liquid waterproof membrane Surface aspect: exterior coating, smooth membranes substrate: PVC</td> </tr> <tr> <td>Sample thickness:</td> <td>0.8 mm</td> <td>Total sample size:</td> <td>8 x 8 cm</td> </tr> <tr> <td>Surface coated:</td> <td>YES</td> <td>Coating thickness:</td> <td>about 2 mm</td> </tr> <tr> <td>Information on history and aging:</td> <td>N.A.</td> </tr> <tr> <td>Other information:</td> <td></td> </tr> <tr> <td>Received date:</td> <td>21/07/2022</td> </tr> <tr> <td>Sample ID, code:</td> <td>-</td> </tr> <tr> <td>ECBC id:</td> <td>-</td> </tr> <tr> <td>Sampling:</td> <td>Contact call by the Client</td> </tr> <tr> <td>Aging:</td> <td>-</td> </tr> <tr> <td>Treatments:</td> <td>-</td> </tr> <tr> <td>Surface state:</td> <td>Variegated: NO Optical properties: Diffusive reflecting: NO Specular reflecting: NO</td> <td>Aged: NO Translucence: YES Transferring: NO</td> <td>Cleaned: NO Clear transmitting: NO Opaque: YES</td> </tr> <tr> <td colspan="4">* The laboratory declines all responsibility for the data supplied by the customer</td> </tr> </table>				Product name:	FOX AQUAROOF-BR	Manufacturer:	Garten Yapi Matemelik San. Ve Tic. Ltd. Şti	Short physical description:	Product type: Membrane roof-based liquid waterproof membrane Surface aspect: exterior coating, smooth membranes substrate: PVC	Sample thickness:	0.8 mm	Total sample size:	8 x 8 cm	Surface coated:	YES	Coating thickness:	about 2 mm	Information on history and aging:	N.A.	Other information:		Received date:	21/07/2022	Sample ID, code:	-	ECBC id:	-	Sampling:	Contact call by the Client	Aging:	-	Treatments:	-	Surface state:	Variegated: NO Optical properties: Diffusive reflecting: NO Specular reflecting: NO	Aged: NO Translucence: YES Transferring: NO	Cleaned: NO Clear transmitting: NO Opaque: YES	* The laboratory declines all responsibility for the data supplied by the customer			
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<p>The test results are based on the material supplied by the client. This report shall not be reproduced except in full without the written approval of this laboratory. This laboratory assumes no responsibility nor makes a performance consistency statement for the materials or products and processes mentioned in this report in connection with this report.</p> <p>The reported reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k = 2, which for a normal distribution provides a level of confidence of approximately 95%.</p>																																									
<p style="text-align: center;">Sample picture</p>																																									
<p style="text-align: center;">Document Page 4</p> <p>EEELab - Dipartimento di Ingegneria "Enzo Ferrari" - Via Vivaldi 10, 41128 Modena, Italy VAT code: Piva/ita/ 03207630384 - Website: www.enzoferari.it / www.eelab.unimore.it</p>																																									

Report N° 0896_21072022	TEST REPORT N° ETR-22-0612														
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<b>TEST RESULTS</b>															
<b>Test Date:</b>	<b>Solar Reflectance (SWR)</b>	<b>Standard Deviations</b>	<b>Measured Values</b>												
21/07/2022	Value: 0.841 Unit: PRM% (1.6811)	0.001	0.842   0.841   0.848												
<b>Test method:</b> ASTM E903-20															
<b>Reference Solar Spectrum (ASTM G173-03 Direct normal):</b>															
<p><b>Notes:</b> This test was performed according to ASTM E903-20 Standard Test Method for Solar Reflectance, Emittance, and Transmittance of Materials Using Integrating Spheres with air masses 1.5 with a 4π/16π/PR spectroradiometer JASCO V-630 with a 180-mm Integrating Sphere (JLS-725). Calibration standard made of Spectralon was provided by ACAL-BR.</p> <p>Measurements were conducted at ambient temperature of 27 ± 1°C and relative humidity of 40% ± 10%.</p>															
<b>Test Date:</b>	<b>Infrared Emittance (IR)</b>	<b>Standard Deviations</b>	<b>Measured Values</b>												
21/07/2022	Value: 0.987 Unit: PRM% (1.6811)	0.006	0.985   0.912   0.903												
<b>Test method:</b> Procedure to test non-conductive and insulating materials based on ASTM C1371-2015. It is performed with an emissometer compliant with ASTM C1371-2015, following the instructions of the instrument manufacturer. "Technical note 162 - Emissivity measurements for in-place surfaces used for materials with low thermal conductivity". The steps have been described as M-1 - "Initial reading".															
<p><b>Notes:</b> An emissometer with a digital self-temperature Sensors and Sensors EET 901 was used. Calibrator standards with low (0.005) and high (0.970) emissivities were provided by the instrument manufacturer.</p> <p>Measurements were conducted at ambient temperature of 27 ± 1°C and relative humidity of 40% ± 10% in a time period of about 1 h.</p>															
<b>Test Date:</b>	<b>Solar Reflectance (SWR)</b>	<b>Infrared Emittance (IR)</b>	<b>Solar-Reflectance Index (SWR/IR)</b>												
21/07/2022	Value: 0.841	0.987	<table border="1"> <tr> <td>Low wind</td> <td>Median wind</td> <td>High Wind</td> </tr> <tr> <td>180.0</td> <td>104.8</td> <td>108.8</td> </tr> <tr> <td colspan="3">Surface temperature (ST) [°C]</td> </tr> <tr> <td>46.7</td> <td>42.4</td> <td>39.0</td> </tr> </table>	Low wind	Median wind	High Wind	180.0	104.8	108.8	Surface temperature (ST) [°C]			46.7	42.4	39.0
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<b>Test method:</b> ASTM E1980-11															
<p><b>Notes:</b> This calculation was performed according to ASTM E1980-11. Standard Practice for Calculating Solar Reflectance Index of Insulated and Low-Sloped Equipped Surfaces. This utilizes the following values for the correction coefficient <math>f_1 = 0.0007 \cdot k^2</math> for low wind (0 to 2 m/s), <math>f_2 = 12 \cdot W/m^2</math> for insulation (0 to 6 mm), <math>f_3 = -20 \cdot W/m^2</math> for high wind (0 to 10 m/s).</p>															
<p style="text-align: right;"><i>Signature of Beyza Tuncel, laboratory owner, Alanya, Turkey</i></p> <p style="text-align: right;">Document Page 4</p> <p>EEELab - Dipartimento di Ingegneria "Enzo Ferrari" - Via Vivaldi 10, 41128 Modena, Italy VAT code: Piva/ita/ 03207630384 - Website: www.enzoferari.it / www.eelab.unimore.it</p>															

	<b>TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.</b>
Hlavního ředitele, ředitelů, Autorem země, Hlavního odboru, Členům rady, Ředitelům a technickým pracovníkům, Členům orgánů řízení, Ředitelům a technickým pracovníkům, Autorem kódů, Autorem kódů, Technického Asistenta ředitele, Technického ředitele, Inženýra ředitele - Přesnoučka 611/73A, Praha, 190 00 Praha 9, Česká republika.	
Notified Body 1020	
<b>CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL</b>	
No. 1020 – CPR – 040 058064	
In compliance with Regulation (EU) No 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:	
Products and systems for the protection and repair of concrete structures for surface protection systems for concrete	
1.3 Ingress protection 2.2 Moisture control 5.1 Physical Resistance 8.2 Increasing resistivity	
see the Annex	
Placed on the market under the name or trade mark of: <b>SARTECH YAPI MALZEMELERİ SAN. VE TİC. LTD.ŞTİ.</b> Organize Sanayi Bölgesi 1.Kısm 7.Cadde No:6 Döşemealtı ANTALYA, TÜRKİYE No: 93292	
and produced in the manufacturing plant: <b>SARTECH YAPI MALZEMELERİ SAN. VE TİC. LTD.ŞTİ.</b> Organize Sanayi Bölgesi 1.Kısm 7.Cadde No:6 Döşemealtı ANTALYA, TÜRKİYE	
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard	
EN 1504-2:2004	
Under system 2+ are applied and that: the factory production control is assessed to be in conformity with the applicable requirements.	
The certificate was first issued on 28th May 2018 and will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.	
  Ing. Pavel Rubáň, Ph.D. Deputy manager of the Notified Body	
Teplice, 18th December 2020	



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Eğil-Diyarbakır/TÜRKİYE



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