Centrum stavebního inženýrství a.s. Praha
Centre of Building Construction Engineering Prague
Akreditované zkušební laboratoře, Autorizovaná osoba,
Oznámený subjekt, Certifikační orgán
Accredited Test Laboratories, Authorised Body,
Notified Body, Certification Body
Pražská 16, 102 00 Praha 10

V 3048

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

1390 – CPR – 0339/12/P

In compliance with the Regulation 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

LineFlex EPDM Membran – thickness between 1,2 and 2,5 mm

Usage: **roof waterproofing**
damp proof
basement tanking

produced by : **AKİZO YALITIM SİSTEMLERİ SAN. Ve TİC. A. Ş.**
D.O.S.A.B, Reyhan Sok. No: 3, Osmangazi, TR-16245
Bursa /Turkey

and produced in the: manufacturing plant **AKİZO YALITIM SİSTEMLERİ SAN. Ve TİC. A. Ş.**
D.O.S.A.B, Reyhan Sok. No: 3, Osmangazi, TR-16245
Bursa /Turkey

This certificate attests that all provisions concerning the assessment and verification of construcy of performance described in Annex ZA of the standards

EN 13 956:2012
EN 13 967:2012

under system 2+ for the performances set out in this certificate are applied and that

the factory production control fulfil all the prescribed requirements for these performances

This certificate was first issued on 25. 06. 2012 as a certificate pursuant to CPD and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s. OZNÁMENÝ SUBJEKT 1390 ÚNMZ 1

Notified Body 1390
Prague, 12. 12. 2014

Ing. Petr Kučera, Ph.D.
Deputy of Notified Body 1390

Centrum stavebního inženýrství a.s. Praha
Centre of Building Construction Engineering Prague
Akreditované zkušební laboratoře, Autorizovaná osoba,
Notifikovaná osoba, Certifikační orgán
Accredited Test Laboratories, Authorised Body,
Notified Body, Certification Body
Pražská 16, 102 00 Praha 10

V 3048

REPORT

for assessment of properties

In compliance with the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), laying down harmonized conditions for the marketing of construction products and repealing Council Directive No. 89/106/EHS

No. 1390-CPR-0340/12/P- 2014

Job no.: 526A/2012/P

Number of pages : 4
Number of enclosures : 2

Product : ***LineFlex EPDM Membran***
thickness 0,5; 0,60; 0,70; 0,75; 0,8; 0,9; 1,0 mm

Usage : **Underlay for discontinuous roofing**

Centrum stavebního inženýrství a.s. Praha as a Notified body No. 1390 performed acc. to CPR, Annes V (System 3) assessment of properties of the product above. This report can be used as a basis for the declaration of performance in acordance with the requirements of the harmonized standard EN 13 859-1

Producer : **AKİZO YALITIM SİSTEMLERİ SAN. Ve TİC. A. Ş.**
D.O.S.A.B, Reyhan Sok. No: 3, Osmangazi, TR-16245
Bursa /Turkey

Manufacturing plant: **AKİZO YALITIM SİSTEMLERİ SAN. Ve TİC. A. Ş.**
D.O.S.A.B, Reyhan Sok. No: 3, Osmangazi, TR-16245
Bursa /Turkey

Report verification : RNDr. Jarmila Havlová, CSc.

NB 1390 representative : Ing. Petr Kučera, CSc.

Report date : Prague, 12 December 2014

CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s. OZNÁMENÝ SUBJEKT 1390 ÚNMZ 1

1.0 Specification of the subject of tests

1.1 Specification of products

Flexible EPDM sheets for waterproofing used as underlays for discontinuous roofing in accordance with EN 13 859-1.

Producer : AKİZO YALITIM SİSTEMLERİ SAN. Ve TİC. A. Ş.
D.O.S.A.B, Reyhan Sok. No: 3, Osmangazi, TR-16245
Bursa /Turkey

Manufacturing plant: AKİZO YALITIM SİSTEMLERİ SAN. Ve TİC. A. Ş.
D.O.S.A.B, Reyhan Sok. No: 3, Osmangazi, TR-16245
Bursa /Turkey

Application : 526A/2012/P of 24. 04. 2012

1.2 Product description and intended use

Following products were subjected to testing :

Product name	Colour (mm)	Width (mm)	Length (m)	Density (kg/m^2)	Water Permeability Class	Reactoion fo fire Class
0,5 mm EPDM Membran	black	1200	50	0,468	W1	E
1,0 mm EPDM Membran	black	1200	50	1,053	W1	E

Intended use:

Product in used as safety underlay for discontinuous roofing.

1.3 Technical specification

EN 13859-1 : 2010 Flexible sheets for waterproofing
Definitions and characteristics of underlays
Part 1: Underlays for discontinuous roofing

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Table ZA.1 – Relevant characteristics meeting the mandat M/102 granted by CPR

Essential characteristics	Requirement clauses in EN 13 859-1	Mandated level and/or classes
Reaction to fire	4.3.1	classes A1 to E
Watertightness	4.3.2	classes W1 to W3

1.4 Testing termination date

17 October 2014

2.0 Sampling

Samples were taken and delivered to the CSI a.s. Prague, NB 1390 by producer

Place of sampling: AKTAŞ HAVA SÜSPANSİYON
SİSTEMLERİ SANAYİ VE TİCARET A. Ş.
Kestel Organize Sanayi Bölgesi
Kaysan Sok. No.: 6 Kastel / Bursa / Turkey

Sampling method : according to applicable testing standards

Testing for assessment of product properties was carried out by

CSI a.s. Prague:

➢ Testing laboratory accredited by ČIA, No.: 1007.6
Testing department of chemical and physical properties

and

➢ ERA LABORATUVARLARI A. Ş., TOSB TAYSAD Org. San. Bölg. 1 Cd. 15,
Yol No: 1 Şekerpinar – Çayirova Kocaeli /TURKEY
ERA Fire Test Laboratory, Accredited Body No: AB- 0330T (TÜRKAK)

The results of performed tests are contained in the following test reports:

⇨ Test Report No.: AP 492-05/08
Test object: Determination of resistance to water penetration of LineFlex EPDM Membran 0,5 and 1,0 mm thick
Issued by: CSI a.s. Praha, AZL 1007.6
Date: 12 March 2008

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⇨ Classification report No.: ERA-14-092
Classification of reaction to fire according to EN 13 501-1 : 2007+A1:2009
Test object: LineFlex EPDM Membran
Issued by: ERA LABORATUVARLARI A. Ş., Accredited Body No.: AB-0330-T
Date: 17 October 2014

3.0 Results of testing for assessment of product properties

Information about measurement methods and their accuracy is contained in the individual test reports listed in the previous chapter.

3.1 Reaction to fire

Classification Report No.: ERA-14-092

Product name	Reaction to fire class
LineFlex EPDM Membran	E

Field of application:

This classification is valid for:

- Thickness: ≤ 25 mm
- Dennty (g/cm^3) ≤ 1,26
- Mass per unit area (kg/m^2) ≤ 1,26

3.2 Watertightness

Test report No.: AP492 – 05/08

Product name	Watertighness class
LineFlex EPDM Membran 0,5 mm, 1,0 mm thick	W1

4.0 Conclusion

The results of initial type testing in accordance with EN 13568-1 are in compliance with values requested by the standard and declared by the manufacturer.

This document supersedes the Initial Type Test Report No.: 1390-CPD—0340/12/P from 21. 06. 2012

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