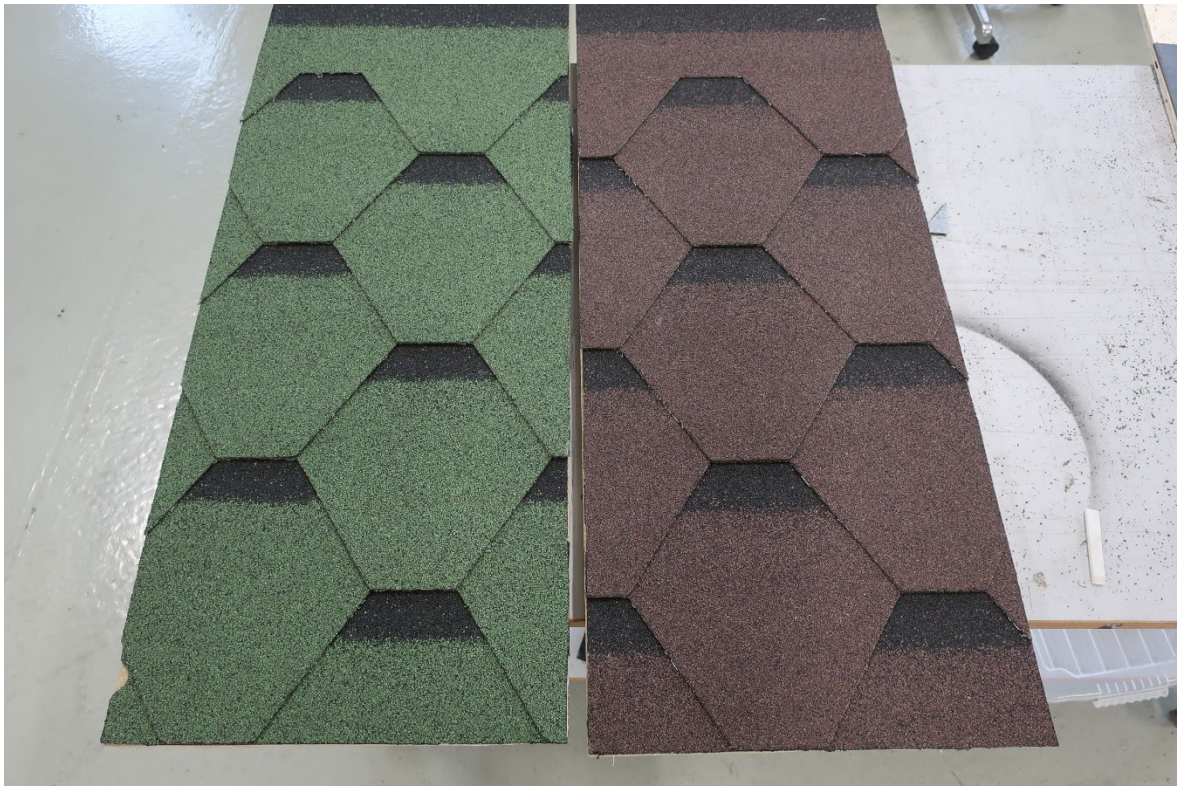
Classification report – UAB Mida LT

Classification report for roof exposed to external fire

YOGA HEXAGONAL 4E2 (FORCE HEXAGONAL 4E2)

NS-EN 13501-5:2016

Author:
Dag Olav Snersrud



RISE Fire Research
RISE report 130004–70-B

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Classification report for roof exposed to external fire

VERSION	DATE
1	2023-07-01

AUTHOR
Dag Olav Snersrud

CLIENT	CLIENT'S REF.
UAB Mida LT	Živilė Paulauskaitė

PROJECT NO.	NO. PAGES:
130004-70	4

PRODUCT

Bitumen shingles *YOGA HEXAGONAL 4E2* (with alternative name *FORCE HEXAGONAL 4E2)*

ABSTRACT:

This classification report defines the classification assigned to the product bitumen shingles ***YOGA HEXAGONAL 4E2*** with the alternative name ***FORCE HEXAGONAL 4E2*** in accordance with the procedures given in NS-EN 13501-5:2016.

PREPARED BY	SIGNATURE
Dag Olav Snersrud	Dag Olav Snersrud

APPROVED BY	SIGNATURE
Anne Steen-Hansen, Chief Research Scientist	Anne Steen-Hansen

REPORT NO.	CLASSIFICATION	CLASSIFICATION THIS PAGE
130004–70-B	Restricted	Restricted

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History

VERSION	DATE	VERSION DESCRIPTION
1	2023-07-01	First version.

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1 Product description

The product *YOGA HEXAGONAL 4E2* (alternative name was stated by the client to be *FORCE HEXAGONAL 4E2*) is described in the test report in support of the classification listed in section 2.

2 Reports and results in support of this classification

2.1 Test reports

Table 1 Test reports in support of this classification.

Name of laboratory	Name of sponsor	Report ref. no. and date	Test method
RISE Fire Research AS	UAB Mida LT	130004-70-A 2023-07-01	CEN/TS 1187:2012, Test 2. Method with burning brands and wind

2.2 Test results

Report ref. no.: 130004-70-A

Test conditions: According to CEN/TS 1187:2012, test 2.

Test pitch: 30°

Substrate: Standard substrate; wood particle board, density of (680 ± 50) kg/m^3

Thickness of (19 ± 2) mm.

Table 2 Test results in support of the classification.

Parameter	*Criteria*		Test Results [a]					Compliance
	Mean	*Max*	Test 1	Test 2	Test 3	Mean	Max	
Damaged length at 2 m/s – roof covering [m]	*≤0.550*	*≤0.800*	0.250	0.250	0.230	**0.243**	**0.250**	**Yes**
Damaged length at 2 m/s – substrate [m]	*≤0.550*	*≤0.800*	0.060	0.095	0.095	**0.083**	**0.095**	**Yes**
Damaged length at 4 m/s – roof covering [m]	*≤0.550*	*≤0.800*	0.215	0.270	0.245	**0.243**	**0.270**	**Yes**
Damaged length at 4 m/s - substrate [m]	*≤0.550*	*≤0.800*	0.040	0.045	0.040	**0.042**	**0.045**	**Yes**

[a] Not for extended application.

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3 Classification and field of application

3.1 Reference

This classification has been carried out in accordance with NS-EN 13501-5:2016.

3.2 Classification

The product *YOGA HEXAGONAL 4E2* (alternative name *FORCE HEXAGONAL 4E2*) in relation to its external fire performance is classified:

B_{ROOF} (t2)

4 Field of application

This classification is valid for the following conditions:

- **range of pitches:** - all pitches.
- **range of substrates:** - combustible and non-combustible substrates, having a density ≥ 510 kg/m^3.

5 Limitations

This document does not represent type approval or certification of the product.

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RISE Fire Research AS

Postal address: P. O. Box 4767 Torgarden, 7465 Trondheim
Telephone: +47 464 18 000
E-mail: post@risefr.no
Internet: www.risefr.no

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Verification

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Initiator

Robert Olofsson (RO)
robert.olofsson@risefr.no

Signing parties

Anne Steen Hansen (ASH)
RISE Fire Research AS
anne.steen.hansen@risefr.no

Signed 2023-07-04 15:19:44 CEST (+0200)

Dag Olav Snersrud (DOS)
RISE Fire Research AS
dag.olav.snersrud@risefr.no

Signed 2023-07-05 17:43:20 CEST (+0200)

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