



TEBAR®
Test Belgelendirme Arařtırma ve Geliřtirme Ticaret A.ř.

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EXTERNAL FIRE CLASSIFICATION REPORT– EN 13501-5

Report Number: SR24-01

Owner: Bestor Grupp AS

Product Definition: Bitumen Waterproofing Membranes

Trade Mark: Mineroll Base 4000 and Mineroll TOP 5000

Product Standard: EN 13707:2004+A2:2009

Production Plant: Kemalpařa Organize San. Bölgesi Gazi Bulvarı Atatürk Mah. No:15
Kemalpařa/İZMİR

Hazırlayan Laboratory Tec.		Onaylayan Head of Testing Laboratory P.
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İstek Numarası: İ2300120	Rapor Numarası: SR24-01	Sayfa No/Sayısı 1/4	Rapor Tarihi: 18.01.2024
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1.Introduction:

This classification report defines; the classification of the bituminous waterproofing membrane manufactured by "Bestor Grupp AS" with a trademark of "Mineroll Base 4000 and Mineroll TOP 5000" in accordance with procedures given in EN 13501-5.

2. Details of classified product:

2.1. General information:

Bituminous waterproofing membrane manufactured by "Bestor Grupp AS." with a trademark of "Mineroll Base 4000 and Mineroll TOP 5000" structures have been developed for roof waterproofing

2.2. Description of the product:

Bitumen waterproofing membranes with a trademark of "MİNEROLL BASE 4000 and MİNEROLL TOP 5000" is described below depends on manufacturer's declarations.

Trademark	:	MİNEROLL BASE 4000	MİNEROLL BASE 4000
Reinforcement	:	Polyester	Polyester
Thickness	:	-	-
Mass Per Unit Area	:	4kg/m ² ±%10	5kg/m ² ±%10
Bottom Layer covering	:	Polyethylene Film	Polyethylene Film
Upper Layer covering	:	Polyethylene Film	Mineral
Color	:	-	Grey
Fire Retardant Type and Usage	:	-/%0	-/%0

2.3. Product Standard:

EN 13707:2004+A2:2009: Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing - Definitions and characteristics

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3. Test reports and test results in support of this classification:

3.1. Test Report:

Name of laboratory	Name of sponsor	Test report ref.no.	Test method
TEBAR A. Ş.	Bestor Grupp AS	R2400025	CEN/TS 1187

3.2. Test results:

Test Conditions: Test specimen is mounted at a roof pitch of 30° to horizontal plane and a forced airflow is passing over the exposed surface. A burning wooden crib is placed on the surface of the specimen.

Test Pitch: Roof pitch of 30° to horizontal plane

Application surface: Test sample is prepared by applying on OSB with a thickness of (19±2)mm and a density of (680±50) kg/m³.

Test Results according to EN 13501-5:

Parameter	Criteria		Test Results					Copliance
	Mean	Max	Spe. 1	Spe. 2	Spe. 3	Mea	Max	
Damaged length at 2 m/s – roof covering (mm)	≤ 0,550 m	≤0,800 m	0,340	0,320	0,365	0,342	0,365	Yes
Damaged length at 2 m/s – substrate (mm)	≤ 0,550 m	≤0,800 m	0,55	0,60	0,55	0,57	0,60	Yes
Damaged length at 4 m/s – roof covering (mm)	≤ 0,550 m	≤0,800 m	0,367	0,547	0,450	0,455	0,547	Yes
Damaged length at 4 m/s – substrate (mm)	≤ 0,550 m	≤0,800 m	0,50	0,70	0,60	0,60	0,70	Yes

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4. Classification and field of application:

4.1. Reference of classification: This classification has been carried out in accordance with clause 6.5.3, 7., 8.2. and 9. of EN 13501-5: "Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests".

4.2. Classification:

Bitumen waterproofing membranes manufactured by "Bestor Grupp AS" with a trademark of "MİNEROLL BASE 4000 and MİNEROLL TOP 5000" in relation to its external fire performance classified as below.

B_{ROOF} (t2)

4.3. Field of application:

4.3.1. This classification is only valid for bitumen waterproofing membranes manufactured by "Bestor Grupp AS" with a trademark of "MİNEROLL BASE 4000 and MİNEROLL TOP 5000" which to be used for water insulation.

4.3.2. This classification is only valid for the products which complies with definition in clause 2 and produced in the manufacturing plant defined in this report.

5. Warning and Limitations:

5.1. This classification report does not represent type of approval or certification of the product.

Report	Name	Signature*	Date
Prepared by	Kemal ÇATKIN		18.01.2024
Reviewed by	Gülsüm ÖZGÜN GÜVEN		18.01.2024
*For and on behalf of "Bestor Grupp AS"			

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