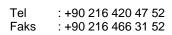
Ümraniye – İstanbul



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EXTERNAL FIRE CLASSIFICATION REPORT- EN 13501-5

Report Number: SR24-01

Owner: **Bestor Grupp AS**

Product Definition: Bitumen Waterproofing Membranes

Test Belgelendirme Araştırma ve Geliştirme Ticaret A.Ş.

Trade Mark: Mineroll Base 4000 and Mineroll TOP 5000

Product Standard: EN 13707:2004+A2:2009

Production Plant: Kemalpaşa Organize San. Bölgesi Gazi Bulvarı Atatürk Mah. No:15

Kemalpaşa/İZMİR

Hazırlayan		Onaylayan
Laboratory Tec.	S. Test Bolog	Head of Testing Laboratory P.
	TEBAR 2	
	of sumper	

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İ2300120	SR24-01	1/4	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:

Btumen 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/m²±%10 5kg/m²±%10		5kg/m ² ±%10
Bottom Layer covering	yer covering : Polyethylene Film 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				Carlianas	
	Mean	Max	Spe. 1	Spe. 2	Spe. 3	Mea	Max	Copliance
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.



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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İ2300120	SR24-01	4/4	18.01.2024