



**DECLARATION OF PERFORMANCE**  
**Firestone RubberGard™ EPDM LSFR 045**  
**No. DoPLSFR045v05R-2020-09-09**

- 1. Unique identification code of the product-type:**  
RubberGard™ EPDM LSFR 045
- 2. Identification of the construction product:**  
Part number prefix: W56LE4 or W57LE4  
Lot number: see label  
Production date: see print on membrane
- 3. Intended use or uses:**  
Non reinforced, black, synthetic roofing membrane made of Ethylene-Propylene-Diene Terpolymer (EPDM) with a nominal thickness of 1.1 mm (MDV); used as a roof waterproofing membrane in ballasted, fully adhered, mechanically attached and extensive green roof systems as defined by EN 13956.
- 4. Name, registered trade name or registered trade mark and contact address of the manufacturer:**  
  
RubberGard™ EPDM LSFR  
  

<i>Manufacturer:</i>	<i>Factory:</i>
Firestone Building Products EMEA	Firestone Building Products Company
Ikaroslaan 75	1406 US Highway 371
1930 Zaventem	Prescott, AR 71857
Belgium	USA
- 5. Contact address of the authorised representative:**  
Not applicable
- 6. System or systems of assessment and verification of constancy of performance of the construction product:**  
System 2+
- 7. Construction product covered by the harmonized standard EN 13956:**  
FM Approvals Europe Limited, notified body No. 2809, has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control under system 2+ and issued the EC certificate of conformity of the factory production control 2809-CPR-M0007.

### 8. Declared performance

Essential characteristics		Performance		Harmonised technical specification
		Value 1.1 mm	Unit	
Reaction to fire	EN 13501-1	E		EN 13956:2012
External Fire Performance	EN 13501-5	F <sup>1)</sup>		
Water tightness	EN 1928	Pass		
Tensile strength	EN 12311-2	≥ 7	N/mm <sup>2</sup>	
Elongation	EN 12311-2	≥ 300	%	
Root resistance	EN 13948	Pass		
Resistance to static loading	EN 12730 (B)	≥ 20	kg	
Resistance to impact	EN 12691 (A)	NPD		
	EN 12691 (B)	≥ 1700	mm	
Tear resistance	EN 12310-2	≥ 40	N	
Joint peel resistance	EN 12316-2	≥ 80	N/50mm	
Joint shear resistance	EN 12317-2	≥ 200	N/50mm	
Durability – UV exposure	EN 1297	Pass (≥7500h)		
Foldability at low temperature	EN 495-5	≤ -45	°C	
Dangerous substances		None <sup>2)</sup>		

- 1) In accordance with EN 13956:2012 the classification of the product in accordance with EN 13501-5 is limited to class F. Classifications of roof build-ups can be obtained separately.
- 2) This product is an article as defined in article 3 of EC regulation No 1907/2006 (REACH). It contains no components which are intended to be released under normal or reasonably foreseeable conditions of use. Based on current knowledge, this product does not contain substances of very high concern as listed in Annex XIV of the REACH regulation or in the "Candidate List of Substances of Very High Concern for Authorisation" published by ECHA in concentrations above 0.1 % (w/w).

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Pascal Meirsschaert  
Technical Director  
Firestone Building Products EMEA

Brussels, September 2020