



## DECLARATION OF PERFORMANCE

Nr.: 02.49.56.02.20.02

### 1. Product Type

Unique identification code of the product-type:

**Polyfin® 4018 v**

### 2. Type

Batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4):

**4018 v; 1,8 mm**

**(Lot Nr.: see Roofing imprint)**

### 3. Intended use

Or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

**Synthetic roofing and waterproofing membrane made of flexible polyolefins (FPO/TPO) with central glass fibre reinforcement and additional fleece according to EN 13956**

**Loose laid under load or other ballasts**

**Lose laid and mechanically fastened**

**Stripe adhesive or full adhesive bonding**

### 4. Name, registered trade name

Or registered trade mark and contact address of the manufacturer as required under Article 11 (5):

**Polyfin® 4018 v**

**POLYFIN AG  
Polyfinstraße 1  
D-74909 Meckesheim  
GERMANY**

### 5. Contact Address

Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):

**Not relevant (see 4.)**

### 6. AVCP

System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 2 +**

### 7. Notified body

In case of the declaration of performance concerning a construction product covered by a harmonised standard:

**1213**

**Notified factory production control certification body No. 1213 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control, 1213-CPR-019**

## 8. European Technical Assessment

In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant (see 7.)

## 9. Declared performance

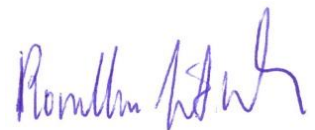
Technical characteristics	Testing Method	Performance	Technical specification
External fire performance	EN 13501-5	F <sub>ROOF</sub>	EN 13956:2012
Reaction to fire	EN 13501-1	Klasse E	
Water vapour diffusion resistance factor	EN 1931 (B)	90.000	
Tensile strength in the longitudinal / transverse	EN 12311-2 (A)	≥ 900 N/50 mm	
Elongation in the longitudinal / transverse	EN 12311-2 (A)	≥ 50 %	
Joint peel resistance	EN 12316-2	≥ 400 N/50 mm	
Joint shear resistance	EN 12317-2	≥ 450 N/50 mm	
Resistance to impact			
Rigid substrate	EN 12691 (A)	≥ 500 mm	
Flexible substrate	EN 12691 (B)	≥ 1500 mm	
Resistance to static load	EN 12730 (A/B)	> 20 kg	
Hail resistance			
Rigid substrate	EN 13583	≥ 25 m/s	
Flexible substrate		≥ 35 m/s	
Tear resistance	EN 12310-2	≥ 150 N	
Resistance to root penetration	EN 13948	pass	
Dimensional stability	EN 1107-2	≤ 0,3 %	
UV-radiation	EN 1297	pass (> 5.000 h)	
Foldability at low temperatures	EN 495-5	≤ -40 °C	
Durability of water tightness with simulated ageing	EN 1296 / EN 1928 (B)	pass	
Durability of water tightness under the chemical influence	EN 1847 / EN 1928 (B)	pass	
Exposure to bitumen	EN 1548	pass	
Water tightness	EN 1928 (B)	≥ 500 kPa	

## 10. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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:

Meckesheim,  
06.02.2020



Helmut Ronellenfitsch  
CEO

## Ecology, Health and Safety Information

A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring the product to the market, to transport or to use it. The product does not damage the environment when used as specified.

## REACH

### European Community Regulation on chemicals and their safe use (REACH: EC 1907/2006)

This product is an article within the meaning of Regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.

Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).