

---

# Sikaplan® WP 1100-21 HL2

---

## DECLARATION OF PERFORMANCE

### No. 63908671

---

1	<b>UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:</b>	63908671
2	<b>INTENDED USE/S</b>	EN 13491:2004/A1:2006 Polymeric geosynthetic barrier for use as a fluid barrier in the construction of tunnels and underground structures
3	<b>MANUFACTURER:</b>	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	<b>AUTHORISED REPRESENTATIVE:</b>	
5	<b>SYSTEM/S OF AVCP:</b>	System 2+
6a	<b>HARMONISED STANDARD:</b>	EN 13491:2004/A1:2006
	Notified body/ies:	1213

#### Declaration of Performance

Sikaplan® WP 1100-21 HL2

63908671

2020.09 , ver. 1

1003

**7 DECLARED PERFORMANCE/S**

Essential Characteristics	Performance	AVCP	Harmonised Technical Specification
Tensile strength:			
Machine direction	17.0 (±2.0) N/mm <sup>2</sup>	System 2+	
Cross direction	17.0 (±2.0) N/mm <sup>2</sup>		
Resistance to static puncture	> 2,35	System 2+	
Water permeability (liquid tightness)	< 10 <sup>-6</sup> m <sup>3</sup> x m <sup>-2</sup> x d <sup>-1</sup>	System 2+	
Durability weathering	NPD	System 2+	
Durability oxidation	Change of tensile strength and elongation: < 10 %	System 2+	
Durability environmental stress cracking	NPD	System 2+	
Dangerous substances	NPD	System 2+	

**8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR - SPECIFIC TECHNICAL DOCUMENTATION**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name : Steve Armfield  
 Function: Product Manager  
 Waterproofing  
 At Sika Limited on 25 November 2020

Name : Alex Burman  
 Function: Head of Product & Marketing  
 Concrete & Waterproofing  
 At Sika Limited on 25 November 2020





.....

End of information as required by Regulation (EU) No 305/2011



## RELATED DECLARATION OF PERFORMANCE

Product Name	Harmonised technical specification	DoP Number
Sikaplan® WP 1100-21 HL2	EN 13967:2012	46967776

 04												
Sika Services AG, Zurich, Switzerland												
63908671												
EN 13491:2004/A1:2006												
Notified Body 1213												
Polymeric geosynthetic barrier for use as a fluid barrier in the construction of tunnels and underground structures												
<table><tbody><tr><td>Tensile strength:</td><td></td></tr><tr><td>Machine direction</td><td>17.0 (±2.0) N/mm<sup>2</sup></td></tr><tr><td>Cross direction</td><td>17.0 (±2.0) N/mm<sup>2</sup></td></tr><tr><td>Resistance to static puncture</td><td>&gt; 2,35</td></tr><tr><td>Water permeability (liquid tightness)</td><td>&lt; 10<sup>-6</sup> m<sup>3</sup> x m<sup>-2</sup> x d<sup>-1</sup></td></tr><tr><td>Durability oxidation</td><td>Change of tensile strength and elongation: &lt; 10 %</td></tr></tbody></table>	Tensile strength:		Machine direction	17.0 (±2.0) N/mm <sup>2</sup>	Cross direction	17.0 (±2.0) N/mm <sup>2</sup>	Resistance to static puncture	> 2,35	Water permeability (liquid tightness)	< 10 <sup>-6</sup> m <sup>3</sup> x m <sup>-2</sup> x d <sup>-1</sup>	Durability oxidation	Change of tensile strength and elongation: < 10 %
Tensile strength:												
Machine direction	17.0 (±2.0) N/mm <sup>2</sup>											
Cross direction	17.0 (±2.0) N/mm <sup>2</sup>											
Resistance to static puncture	> 2,35											
Water permeability (liquid tightness)	< 10 <sup>-6</sup> m <sup>3</sup> x m <sup>-2</sup> x d <sup>-1</sup>											
Durability oxidation	Change of tensile strength and elongation: < 10 %											
<a href="http://dop.sika.com">http://dop.sika.com</a>												

### ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

This product is an article as defined in article 3 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. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

### LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sikas recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the products suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### Declaration of Performance

Sikaplan® WP 1100-21 HL2  
63908671  
2020.09 , ver. 1  
1003

**Sika Limited**  
Watchmead  
Welwyn Garden City  
Hertfordshire AL7 1BQ  
[www.sika.co.uk](http://www.sika.co.uk)

**Declaration of Performance**  
Sikaplan® WP 1100-21 HL2  
63908671  
2020.09 , ver. 1  
1003

**4/4**

**BUILDING TRUST**

