

No. 0620-CPR-97156	DECLARATION OF PERFORMANCE according to Annex III of the Regulation (EU) No. 305/2011 amended by Commissions delegated Regulation (EU) No. 574/2014
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## No. 2018\_CSP\_KSP120\_01

### 1 Unique identification code of the product-type:

Limboplast KSP 120 Universal white

### 2 Intended uses:

Cold Spray Plastic, without premix glass beads, applied by spray with drop-on material, used for road markings.

### 3 Manufacturer:

SWARCO LIMBURGER LACKFABRIK GmbH  
Robert-Bosch-Str. 17  
D – 65582 Diez

### 5 System of AVCP:

AVCP system 1

### 6b European Assessment Document:

230011-00-0106 "Road Marking Products"  
Edition: February 2017

### European Technical Assessment:

ETA-17/0793 "Limboplast KSP 120 Universal white"

### Technical Assessment Body:

Kiwa Nederland B.V.

### Notified body:

0620 – Kiwa Nederland B.V.  
Certificate of Constancy of Performance No. 0620-CPR-97156

#### [www.swarco.com/rms](http://www.swarco.com/rms)

SWARCO LIMBURGER LACKFABRIK GmbH, Robert-Bosch-Straße 17, D-65582 Diez, Deutschland  
T. +49-6432-9184-0, F. +49-6432-9184-18, E. [info.limburgerlackfabrik@swarco.com](mailto:info.limburgerlackfabrik@swarco.com)  
Gerichtsstand: Amtsgericht Montabaur HRB 5502, Steuer-Nr.: 30/650/0879/8, UID-Nr.: DE113862412  
Geschäftsführer: Dr. Harald Guder  
Postbank Stuttgart, IBAN: DE72 6001 0070 0956 1097 03, BIC: PBNKDEFF

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## No. 2018\_CSP\_KSP120\_01

### 7 Declaration of performances:

Determination of product type: In accordance EN 1871:2000; EN 1436

Results for 600 µm Limboplast KSP 120 Universal white + 400g/m <sup>2</sup> SOLIDPLUS 30 212-1400 T18 M30 (0913-CPR-2016/09) – System 1											
<b>Basic Works Requirement: Safety in use</b>											
<b>Durability</b>			<b>Night and day visibility and skid resistance for each durability level</b>								
Test Method used	Number of roll-over (x 10 <sup>6</sup> )		<b>Night-time visibility</b>			<b>Day-time visibility</b>			<b>Skid resistance</b>		
			R <sub>L</sub> in mcd·m <sup>-2</sup> ·lx <sup>-1</sup>			β luminance factor	Q <sub>d</sub> in mcd·m <sup>-2</sup> ·lx <sup>-1</sup>	Chromaticity Co-ordinates CIE (x, y)	SRT Units		
			R <sub>L</sub> (dry)	R <sub>W</sub> (wet)	R <sub>R</sub> (rain)						
<b>Method B</b>	Initial	0.01	411	141	74	0,769	266	0,325, 0,343			
Wear simulator  <b>EN 13197</b>	<b>Retained</b>	0.1	444	122	48	0,780	267	<b>Always inside white polygon (EN-1436)</b>			
		0.2	420	102	47	0,772	267				
		0.5	387	98	38	0,760	267				
		1.0	326	126	36	0,757	265				
		2.0	312	89	34	0,750	266				
		4.0	262	64	29	0,740	262	50			
<b>General aspects in relation to the intended use</b>											
Retroreflection			Alkali resistance			Bleeding resistance		Test plates roughness			
<b>Type II</b>			<b>Pass</b>			<b>NA</b>		<b>0,8 mm</b>			
Indentation			Colour			Softening point		ageing UV			
<b>NA</b>			<b>White</b>			<b>NA</b>		<b>Pass</b>			

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### No. 2018\_CSP\_KSP120\_01

Results for 750 µm <b>Limboplast KSP 120 Universal white</b> + 650 g/m <sup>2</sup> <b>SOLIDPLUS 100 425-1400 T18 M30</b> (0913-CPR-2016/09) – <b>System 2</b>										
<b>Basic Works Requirement: Safety in use</b>										
<b>Durability</b>			<b>Night and day visibility and skid resistance for each durability level</b>							
Test Method used	Number of roll-over (x 10 <sup>6</sup> )		Night-time visibility			Day-time visibility			Skid resistance	
			R <sub>L</sub> in mcd·m <sup>-2</sup> ·lx <sup>-1</sup>			β luminance factor	Qd in mcd·m <sup>-2</sup> ·lx <sup>-1</sup>	Chromaticity Co-ordinates CIE (x, y)	SRT Units	
			R <sub>L</sub> (dry)	R <sub>W</sub> (wet)	R <sub>R</sub> (rain)					
Method B  Wear simulator  EN 13197	Initial	0.01	653	118	45	0,764	256	0,329, 0,350		
	Retained	0.1	661	127	51	0,747	260	Always Inside white polygon (EN-1436)		
		0.2	642	138	49	0,749	259			
		0.5	607	133	52	0,722	255			
		1.0	557	130	49	0,715	255			
		2.0	499	107	43	0,713	250			
		4.0	426	95	45	0,692	253			
<b>General aspects in relation to the intended use</b>										
Retroreflection			Alkali resistance			Bleeding resistance		Test plates roughness		
Type II			Pass			NA		0,8 mm		
Indentation			Colour			Softening point		ageing UV		
NA			White			NA		Pass		

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### No. 2018\_CSP\_KSP120\_01

Results for 600 µm Limboplast KSP 120 Universal white + 1250 g/m <sup>2</sup> Reaktivglasperlen SWARCO SOLIDPLUS 100 212-1400 T18 MK35 (0913-CPR-2016/09) – System 3											
Basic Works Requirement: Safety in use											
Durability			Night and day visibility and skid resistance for each durability level								
Test Method used	Number of roll-over (x 10 <sup>6</sup> )		Night-time visibility			Day-time visibility			Skid resistance		
			R <sub>L</sub> in mcd·m <sup>-2</sup> ·lx <sup>-1</sup>			β luminance factor	Qd in mcd·m <sup>-2</sup> ·lx <sup>-1</sup>	Chromaticity Co-ordinates CIE (x, y)	SRT Units		
Initial	0.01	RL (dry)	RW (wet)	RR (rain)	0,627					212	Always inside white polygon (EN-1436)
Method B  Wear simulator	Retained	0.1	787	192	108	0,627	212	0,3229, 0,3406			
		0.2	837	233	118	0,631	212	61			
		0.5	817	234	142	0,629	211	59			
		1.0	796	176	100	0,628	209	59			
		2.0	767	174	100	0,623	210	57			
EN 13197		4.0	719	155	81	0,619	210	55			
		4.0	660	109	67	0,615	208	55			
General aspects in relation to the intended use											
Retroreflection		Alkali resistance			Bleeding resistance		Test plates roughness				
Type II		Pass			NA		0,8 mm				
Indentation		Colour			Softening point		ageing UV				
NA		White			NA		Pass				

The performance of the product identified above is in conformity with the set of declared performances. 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:

Patrick Wesche



Diez, 12.10.2020

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(place and date of issue)

SWARCO LIMBURGER LACKFABRIK GmbH  
 Robert-Bosch-Straße 17  
 65582 Diez, Germany  
 T. +49-6432-9184-0 | F. +49-6432-9184-18  
 (signature)  
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