

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\_KSPSu\_01

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

Limboplast KSP Suma 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-17/0797 "Limboplast KSP Suma white"

### Technical Assessment Body:

Kiwa Nederland B.V.

### Notified body:

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

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### 7 Declaration of performances:

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

Results for 600 µm <b>Limboplast KSP Suma white</b> + 600 g/m <sup>2</sup> <b>SOLIDPLUS 30 212-1400 T18 M35</b> (0913-CPR-2016/09) – <b>System 1</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> )		<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>  Wear simulator  <b>EN 13197</b>	Initial	0.01	398	167	65	0,756	252	0,327, 0,345		71	
	<b>Retained</b>	0.1	392	164	62	0,764	249	<b>Always white polygon (EN-1436)</b>		68	
		0.2	405	122	54	0,757	254			63	
		0.5	358	125	51	0,744	251			61	
		1.0	350	133	50	0,742	253			55	
		2.0	348	120	49	0,739	249			56	
		4.0	316	94	41	0,720	247			53	
<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\_KSPSu\_01

Results for 300 µm <b>Limboplast KSP Suma white + 500 g/m<sup>2</sup> SOLIDPLUS 100 300-850 T18</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> )		<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	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)					
<b>Method B</b>  Wear simulator  <b>EN 13197</b>	Initial	0.01	1265	210	71	0,608	206	0,328, 0,351		
	Retained	0.1	887	188	74	0,564	199	Always white Inside white (EN-1436)		
		0.2	828	175	81	0,581	194			
		0.5	675	133	55	0,538	184			
		1.0	574	117	39	0,524	178			
		2.0	462	120	41	0,509	175			
		4.0	402	91	35	0,475	170			
<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>		

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



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Diez, 26.06.2018

(place and date of issue)

Wesche

(signature)