Prüf-, Überwachungs- und Zertifizierungs-gemeinschaft der Straßenausstatter e.V.

Notifiziert unter 0913 durch DIBt nach BauPVO

Prüfen Überwachen Zertifizieren

Attachment to Certificate of constancy of performance 0913-CPR-2016/11 (4 pages)

The description in this attachment refer to the ETB (ETAssessment)
ETA-16/0579, from 2017-09-11,
ETA-16/0580, from 2017-09-11,
ETA-16/0581, from 2016-10-20,
ETA-18/0602, from 2018-09-06,
ETA-18/0598, from 2018-09-06.

The above certified microprismatic retroreflective sheeting ORALITE® 6710 Engineer Prismatic Grade to be used for fixed, vertical road traffic signs is admitted for the following originally dyed colours:

Originally dyed retroreflective sheeting:

Colour	Name of the product	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor ETA 16/0579 annex 1	Coefficient of retroreflection ETA 16/0579 annex 2	Impact resistance according to EN 12899-1	Resistance to weathering ETA 16/0579 annex 3
White	ORALITE® 6710-010 Engineer Prismatic Grade	pass	pass	pass	pass
Yellow	ORALITE® 6710-020 Engineer Prismatic Grade	pass	pass	pass	pass
Blue	ORALITE® 6710-050 Engineer Prismatic Grade	pass	pass	pass	pass
Green	ORALITE® 6710-060 Engineer Prismatic Grade	pass	pass	pass	pass
Orange	ORALITE® 6710-035 Engineer Prismatic Grade	pass	pass	pass	pass
Brown	ORALITE® 6710-080 Engineer Prismatic Grade	pass	pass	pass	pass

The above certified retroreflective sheeting ORALITE® 6710 Engineer Prismatic Grade to be used for fixed, vertical road traffic signs is accepted to be coloured by the below listed materials:

Lettering Film:

Colour	Name of the product	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor EN 12899-1 7.3.1.3	Coefficient of retroreflection EN 12899-1 4.1.1.4	Impact resistance EN 12899-1 4.1.2.1	Resistance to weathering EN 12899-1 4.1.1.5
Black	ORALITE® 5081-070 Lettering Film	NR1	-	pass	pass

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Screen Printing Colours:

Colour on white sheeting	Name of the product ORALITE® 6710-010 Engineer Prismatic Grade and	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor ETA 16/0580 annex 1	Coefficient of retroreflection ETA 16/0580 annex 2	Impact resistance according to EN 12899-1	Resistance to weathering ETA 16/0580 annex 3
Yellow	ORALITE® 5018-020 Screen Printing Ink	pass	pass	pass	pass
Red	ORALITE® 5018-030 Screen Printing Ink	pass	pass	pass	pass
Blue	ORALITE® 5018-050 Screen Printing Ink	pass	pass	pass	pass
Green	ORALITE® 5018-060 Screen Printing Ink	pass	pass	pass	pass

Colour on white sheeting	Name of the product ORALITE® 6710-010 Engineer Prismatic Grade and	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor EN 12899-1 7.3.1.3	Coefficient of retroreflection EN 12899-1 4.1.1.4	Impact resistance EN 12899-1 4.1.2.1	Resistance to weathering EN 12899-1 4.1.1.5
Black	ORALITE® 5018-070 Screen Printing Ink	NR1	-	pass	pass

Colour on yellow sheeting	Name of the product ORALITE® 6710-020 Engineer Prismatic Grade and	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor ETA 18/0598 annex B	Coefficient of retroreflection ETA 18/0598 annex B	Impact resistance according to EN 12899-1	Resistance to weathering ETA 18/0598 annex B
Red	ORALITE® 5018-030 Screen Printing Ink	pass	pass	pass	pass

Colour on yellow sheeting	Name of the product ORALITE® 6710-020 Engineer Prismatic Grade and	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor EN 12899-1 7.3.1.3	Coefficient of retroreflection EN 12899-1 4.1.1.4	Impact resistance EN 12899-1 4.1.2.1	Resistance to weathering EN 12899-1 4.1.1.5
Black	ORALITE® 5018-070 Screen Printing Ink	NR1	-	pass	pass

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Digital Printing Colours:

The digital printing is processed on white retroreflective sheeting with the digital printing system AGFA ANAPURNA High-Speed-UV-Inkjet-System and is to be laminated with a transparent protective laminate.

Transparent protective laminate ORALITE® 5062-000 Transparent Film:

Colour on white sheeting	Name of the product ORALITE® 6710-010 Engineer Prismatic Grade and	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor ETA 16/0581 annex 1	Coefficient of retroreflection ETA 16/0581 annex 2	Impact resistance according to EN 12899-1	Resistance to weathering ETA 16/0581 annex 3
White	ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Yellow	ORALITE® 5019-020 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Red	ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Blue	ORALITE® 5019-050 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Green	ORALITE® 5019-060 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Orange	ORALITE® 5019-035 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Brown	ORALITE® 5019-080 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Grey	ORALITE® 5019-073 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass

Colour on white sheeting	Name of the product ORALITE® 6710-010 Engineer Prismatic Grade and	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor ETA 18/0602 annex A	Coefficient of retroreflection ETA 18/0602 annex B	Impact resistance according to EN 12899-1	Resistance to weathering ETA 18/0602 annex C+D
White	ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Yellow	ORALITE® 5019i-020 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Red	ORALITE® 5019i-030 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Blue	ORALITE® 5019i-050 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Green	ORALITE® 5019i-060 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Orange	ORALITE® 5019i-035 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Brown	ORALITE® 5019i-080 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Grey	ORALITE® 5019i-073 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass
Darkgreen	ORALITE® 5019i-625 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	pass	pass	pass	pass

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Colour	Name of the product	Visibility characteristics		Durability	
		Daylight chromaticity & luminance factor EN 12899-1 7.3.1.3	Coefficient of retroreflection EN 12899-1 4.1.1.4	Impact resistance EN 12899-1 4.1.2.1	Resistance to weathering EN 12899-1 4.1.1.5
Black	ORALITE® 5019-070 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	NR1	-	pass	pass
Black	ORALITE® 5019i-070 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	NR1	-	pass	pass

The manufacturer of the fixed vertical road traffic sign is responsible for conformity with the mandated characteristics according to EN 12899-1 by using these materials.

Hagen, 29 July 2021

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Leiter StrAus-Zert

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