

**Declaration of Performance
according to regulation (EU) No. 305/2011
of 9 March 2011 (Construction of Products Regulation)
Nr. 9910.0.001.20201203**

1. Product:

ORALITE® 9910 Brilliant Grade Premium

2. Product and design types

Colour on white sheeting	Name of the product ORALITE® 9910 Brilliant Grade Premium	Design
White	ORALITE® 9910-010	original dyed sheeting
Yellow	ORALITE® 9910-020	original dyed sheeting
Red	ORALITE® 9910-030	original dyed sheeting
Orange	ORALITE® 9910-035	original dyed sheeting
Blue	ORALITE® 9910-050	original dyed sheeting
Green	ORALITE® 9910-060	original dyed sheeting
Brown	ORALITE® 9910-080	original dyed sheeting
Fluorescent Yellow-Green	ORALITE® 9910-029	original dyed sheeting
Fluorescent Yellow	ORALITE® 9910-037	original dyed sheeting
Fluorescent Orange	ORALITE® 9910-038	original dyed sheeting
Yellow	ORALITE® 9910-010 + 5061-020	original dyed sheeting with coloured overlay
Red	ORALITE® 9910-010 + 5061-030	original dyed sheeting with coloured overlay
Orange	ORALITE® 9910-010 + 5061-035	original dyed sheeting with coloured overlay
Blue	ORALITE® 9910-010 + 5061-050	original dyed sheeting with coloured overlay
Green	ORALITE® 9910-010 + 5061-060	original dyed sheeting with coloured overlay
Dark Green	ORALITE® 9910-010 + 5061-625	original dyed sheeting with coloured overlay
Brown	ORALITE® 9910-010 + 5061-080	original dyed sheeting with coloured overlay
Yellow	ORALITE® 9910-010 + 5018-020	original dyed sheeting with screen printing
Red	ORALITE® 9910-010 + 5018-030	original dyed sheeting with screen printing
Blue	ORALITE® 9910-010 + 5018-050	original dyed sheeting with screen printing
Green	ORALITE® 9910-010 + 5018-060	original dyed sheeting with screen printing
Yellow	ORALITE® 9910-010 + 5019i-020 + 5061-000	original dyed sheeting w. digital printing + transparent film
Red	ORALITE® 9910-010 + 5019i-030 + 5061-000	original dyed sheeting w. digital printing + transparent film
Orange	ORALITE® 9910-010 + 5019i-035 + 5061-000	original dyed sheeting w. digital printing + transparent film
Blue	ORALITE® 9910-010 + 5019i-050 + 5061-000	original dyed sheeting w. digital printing + transparent film
Green	ORALITE® 9910-010 + 5019i-060 + 5061-000	original dyed sheeting w. digital printing + transparent film
Dark Green	ORALITE® 9910-010 + 5019i-625 + 5061-000	original dyed sheeting w. digital printing + transparent film
Grey	ORALITE® 9910-010 + 5019i-073 + 5061-000	original dyed sheeting w. digital printing + transparent film
Brown	ORALITE® 9910-010 + 5019i-080 + 5061-000	original dyed sheeting w. digital printing + transparent film
Black	ORALITE® 5081-070	original dyed sheeting with lettering film
Black	ORALITE® 5018-070	original dyed sheeting with screen printing
Black	ORALITE® 5019i-070 + 5061-000	original dyed sheeting w. digital printing + transparent film

3. Intended use of the construction product:

Fixed, vertical road traffic signs

4. Manufacturer:

ORAFOL Europe GmbH

Orafolstrasse 1
16515 Oranienburg
Germany

5. Not applicable

6. System of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 1

7. Not applicable

8. Assessment and verification of the performance

The Technical Assessment Body Technický a skúšobný Ústav stavebný, TSUS, Slovak Republic, has carried out the European Technical Assessment according to the European Assessment Document **EAD 120001-01-0106** (Publication: September 2016).

The notified body Výskumný ústav dopravný, a.s. (NB 1358), Slovakia, has performed the technical evaluation based on the European Technical Assessments ETA 20/0037 (issued 19.02.2020), ETA 20/0038 (issued 19.02.2020), ETA 20/0163 (issued 16.03.2020) and ETA 20/0302 (issued 03.07.2020) and based on the European Standard EN 12899 Part 1 (2007). They performed the initial audit of relevant properties of the product, the initial inspection of the company and of the factory production control and the continuous surveillance, assessment and approval of factory production control according to System 1 and has issued the certificate of constancy of performance:

Nr. 1358-CPR-0174/1

9. Declared Performance:

The performance of the mentioned construction product and its design types listed in clause 2 is declared as follows:

The microprismatic sheeting ORALITE® 9910 Brilliant Grade Premium to be used for sign faces is admitted for the following original dyed colours:

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor ETA 20/0038 version 01 Annex A.1	Coefficient of retroreflection ETA 20/0038 version 01 Annex C.1	Impact resistance ETA 20/0038 version 01 Tab. 2	Resistance to weathering ETA 20/0038 version 01 Annex E.1, F.1
White	ORALITE® 9910-010	Pass	Pass	Pass	Pass
Yellow	ORALITE® 9910-020	Pass	Pass	Pass	Pass
Red	ORALITE® 9910-030	Pass	Pass	Pass	Pass
Orange	ORALITE® 9910-035	Pass	Pass	Pass	Pass
Blue	ORALITE® 9910-050	Pass	Pass	Pass	Pass
Green	ORALITE® 9910-060	Pass	Pass	Pass	Pass
Brown	ORALITE® 9910-080	Pass	Pass	Pass	Pass
Fluorescent Yellow-Green	ORALITE® 9910-029	Pass	Pass	Pass	Pass
Fluorescent Yellow	ORALITE® 9910-037	Pass	Pass	Pass	Pass
Fluorescent Orange	ORALITE® 9910-038	Pass	Pass	Pass	Pass

The microprismatic retroreflective sheeting **ORALITE® 9910 Brilliant Grade Premium** can be used for sign faces with the below listed materials:

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and 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	Resistance to weathering EN 12899-1 4.1.1.5
Black	ORALITE® 5081-070 Lettering Film	NR1	-	Pass	Pass

Note: The lettering Film in Black colour is used for symbols on traffic signs.

Screen printing Colours:

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor ETA 20/0037 version 01 Annex A.1	Coefficient of retroreflection ETA 20/0037 version 01 Annex C.1	Impact resistance ETA 20/0037 version 01 Tab. 2	Resistance to weathering ETA 20/0037 version 01 Annex C.1, D.1
Yellow	ORALITE® 9910-010 + 5018-020	Pass	Pass	Pass	Pass
Red	ORALITE® 9910-010 + 5018-030	Pass	Pass	Pass	Pass
Blue	ORALITE® 9910-010 + 5018-050	Pass	Pass	Pass	Pass
Green	ORALITE® 9910-010 + 5018-060	Pass	Pass	Pass	Pass

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and 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	Resistance to weathering EN 12899-1 4.1.1.5
Black	ORALITE® 5018-070 Screen printing ink	NR1	-	Pass	Pass

Originally dyed microprismatic retroreflective sheeting **ORALITE® 9910 Brilliant Grade Premium** with **ORALITE® 5061 Transparent Film**:

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor ETA 20/0037 version 01 Annex A.1	Coefficient of retroreflection ETA 20/0037 version 01 Annex C.1	Impact resistance ETA 20/0037 version 01 Tab. 2	Resistance to weathering ETA 20/0037 version 01 Annex C.1, D.1
Yellow	ORALITE® 9910-010 + 5061-020	Pass	Pass	Pass	Pass
Red	ORALITE® 9910-010 + 5061-030	Pass	Pass	Pass	Pass
Orange	ORALITE® 9910-010 + 5061-035	Pass	Pass	Pass	Pass
Blue	ORALITE® 9910-010 + 5061-050	Pass	Pass	Pass	Pass
Green	ORALITE® 9910-010 + 5061-060	Pass	Pass	Pass	Pass
Dark Green	ORALITE® 9910-010 + 5061-625	Pass	Pass	Pass	Pass
Brown	ORALITE® 9910-010 + 5061-080	Pass	Pass	Pass	Pass

Digital printing:

The digital printing processed on white retroreflective sheeting with process colour for digital printing and is to be laminated with transparent protective laminate film

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor ETA 20/0302 version 01 Annex A.1	Coefficient of retroreflection ETA 20/0302 version 01 Annex C.1	Impact resistance ETA 20/0302 version 01 Tab. 2	Resistance to weathering ETA 20/0302 version 01 Annex C.1, D.1
Yellow	ORALITE® 9910-010 + 5019i-020 + 5061-000	Pass	Pass	Pass	Pass
Red	ORALITE® 9910-010 + 5019i-030 + 5061-000	Pass	Pass	Pass	Pass
Orange	ORALITE® 9910-010 + 5019i-035 + 5061-000	Pass	Pass	Pass	Pass
Blue	ORALITE® 9910-010 + 5019i-050 + 5061-000	Pass	Pass	Pass	Pass
Green	ORALITE® 9910-010 + 5019i-060 + 5061-000	Pass	Pass	Pass	Pass
Dark Green	ORALITE® 9910-010 + 5019i-625 + 5061-000	Pass	Pass	Pass	Pass
Grey	ORALITE® 9910-010 + 5019i-073 + 5061-000	Pass	Pass	Pass	Pass
Brown	ORALITE® 9910-010 + 519i-080 + 5061-000	Pass	Pass	Pass	Pass

Digital printing black:

Colour on white sheeting	Name of the product ORALITE® 9910-010 Brilliant Grade Premium	Visibility characteristics		Durability	
		Daylight chromaticity and 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	Resistance to weathering EN 12899-1 4.1.1.5
Yellow	ORALITE® 9910-010 + 5019i-070 + 5061-000	NR1	-	Pass	Pass



The composition of the product is described in the technical datasheets and application instructions (download possible under www.orafol.com).

10. Declaration:

The performance of the product identified in clauses 1 and 2 is in conformity with the declared performance in clause 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in clause 4.

Signed on behalf of the manufacturer by:

A handwritten signature in blue ink, appearing to read "J. Ewald".

Oranienburg, December 3rd 2020

i.A: Jürgen Ewald
Global Regulatory Affairs Manager