

Attachment to Certificate of constancy of performance

1358 – CPR – 0174/1

The descriptions in this attachment refer to the ETA:

ETA 20/0037 – version 01, issued on 2020-02-19,

ETA 20/0038 – version 01, issued on 2020-02-19,

ETA 20/0163 – version 01, issued on 2020-03-16,

ETA 20/0302 – version 01, issued on 2020-07-03.

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

Name of the product	Visibility characteristics		Durability	
	Daylight chromaticity and luminance factor	Coefficient of retroreflection	Impact resistance	Resistance to weathering
ORALITE® 9910 Brilliant Grade Premium, colour	ETA 20/0038 – version 01 Annex A.1	ETA 20/0038 – version 01 Annex C.1	ETA 20/0038 – version 01 Tab. 2	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:

Lettering film:

Colour	Name of the product	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor	Coefficient of retroreflection	Impact resistance	Resistance to weathering
	ORALITE® 9910 Brilliant Grade Premium with	EN 12899-1 7.3.1.3	EN 12899-1 4.1.1.4	EN 12899-1 4.1.2	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 of traffic signs.

Screenprinting colours:

Colour on white sheeting	Name of the product	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor	Coefficient of retroreflection	Impact resistance	Resistance to weathering
	ORALITE® 9910-010 Brilliant Grade Premium with	ETA 20/0163 – version 01 Tab. A.1	ETA 20/0163 – version 01 Tab. B.1	ETA 20/0163 – version 01 Tab. 2	ETA 20/0163 – version 01 Tab. C.1, D.1
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	Name of the product	Visibility characteristics		Durability	
		Daylight chromaticity and luminance factor	Coefficient of retroreflection	Impact resistance	Resistance to weathering
	ORALITE® 9910 Brilliant Grade Premium with	EN 12899-1 7.3.1.3	EN 12899-1 4.1.1.4	EN 12899-1 4.1.2	EN 12899-1 4.1.1.5
Black	ORALITE® 5018-070 Screenprinting Ink	NR1	-	Pass	Pass

Original dyed retroreflective sheeting ORALITE® 9910 Brilliant Grade Premium with ORALITE® 5061 Transparent Film:

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

Digital printing:

The digital printing is 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 with	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 B.1	Impact resistance ETA 20/0302 – version 01 tab. 2	Resistance to weathering ETA 20/0302 – version 01 Annex D.1, E.1
Yellow	ORALITE® 5019i-020 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Red	ORALITE® 5019i-030 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Orange	ORALITE® 5019i-035 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Blue	ORALITE® 5019i-050 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Green	ORALITE® 5019i-060 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Dark green	ORALITE® 5019i-625 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Grey	ORALITE® 5019i-073 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass
Brown	ORALITE® 5019i-080 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	Pass	Pass	Pass	Pass

Digital printing Black:

Colour	Name of the product ORALITE® 9910-010 Brilliant Grade Premium with	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® 5019i-070 UV Digital Printing Ink + ORALITE® 5061-000 Transparent Film	NR1	-	Pass	Pass