

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

Sign plates for fixed vertical road traffic signs

Scope:

Sign plates with sign face materials applied for fixed vertical road traffic signs (ZA.5)

The product fulfils the essential characteristic:

See Annex 1

Intended use:

Permanent traffic signs

Placed on the market under the name or trade mark of:

Infra Group Danmark ApS Industrivej 17 5750 Ringe

and produced in the manufacturing plant:

CPA30005

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 12899-1:2007 : Fixed, vertical road traffic signs-Part 1: Fixed signs

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: 2019-08-22.

This certificate will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

(This certificate supersedes the previous version of this certificate issued 2018-11-21)

This certificate was first issued 2017-11-30.

Per Lyster Andersen Responsible for evaluation

Allan Laursen Responsible for certification decision



The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

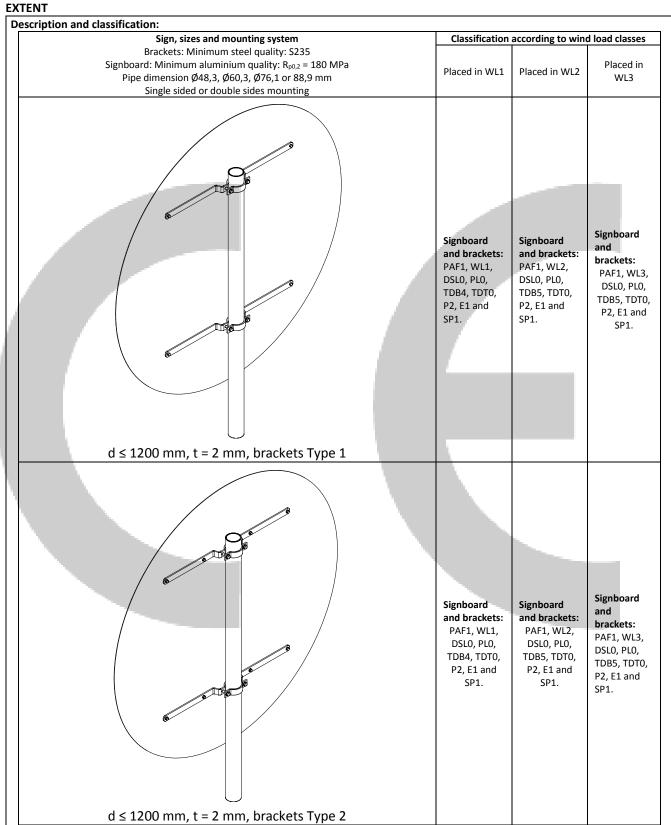
DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **1** of **27**



Annex 1



The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

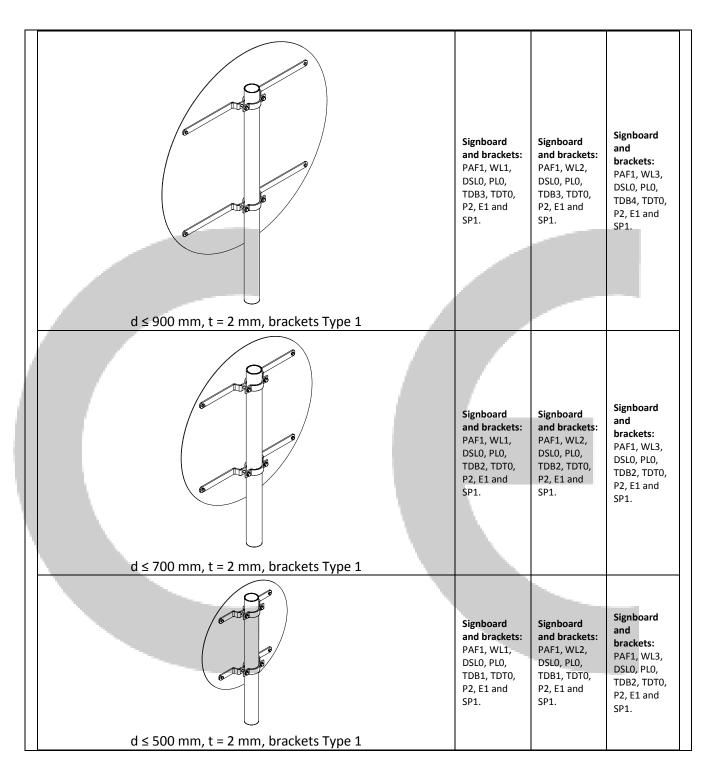
DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **2** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

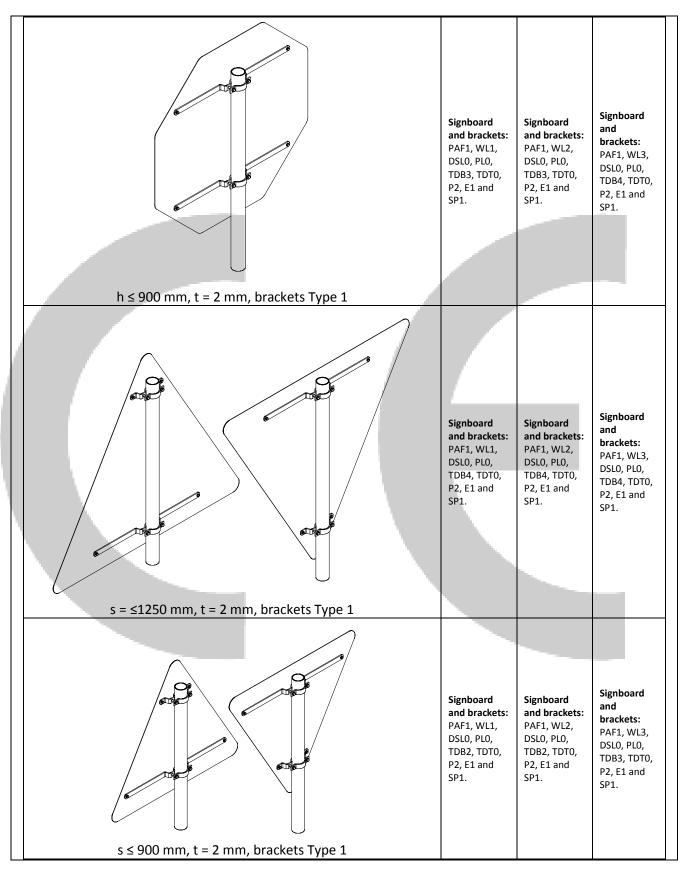
DBI Certification A/S Jernholmen 12, 2650 Hvidd

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **3** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk

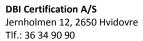


Version 2019-06-25 Page **4** of **27**



$S \le 700 \text{ mm}, t = 2 \text{ mm}, \text{brackets Type 1}$	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.
a ≤ 500 mm, t = 2 mm, brackets Type 1	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.
h x b = \leq 1450 x \leq 650 mm, t = 2 mm, brackets Type 1	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

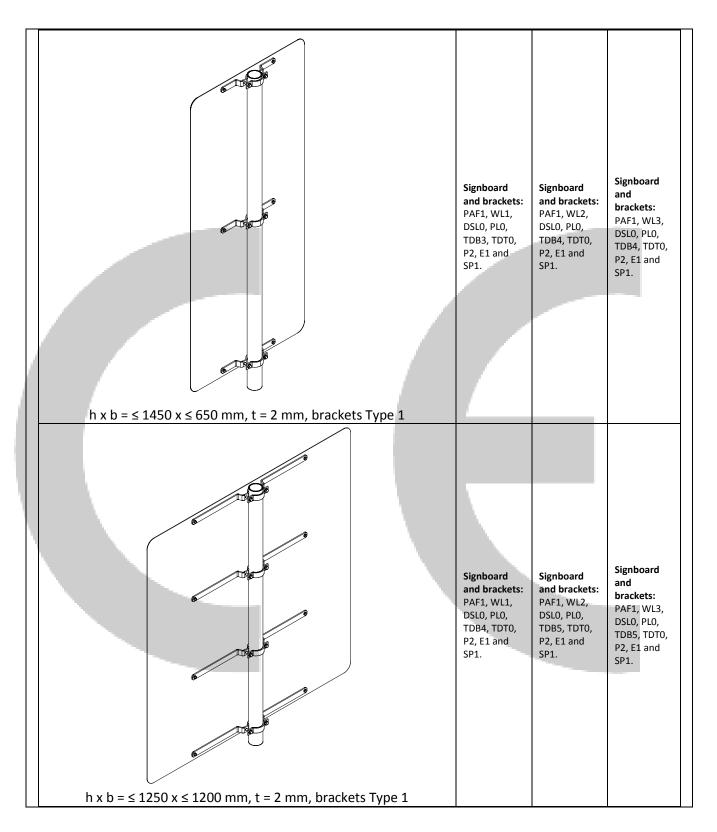


E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **5** of **27**



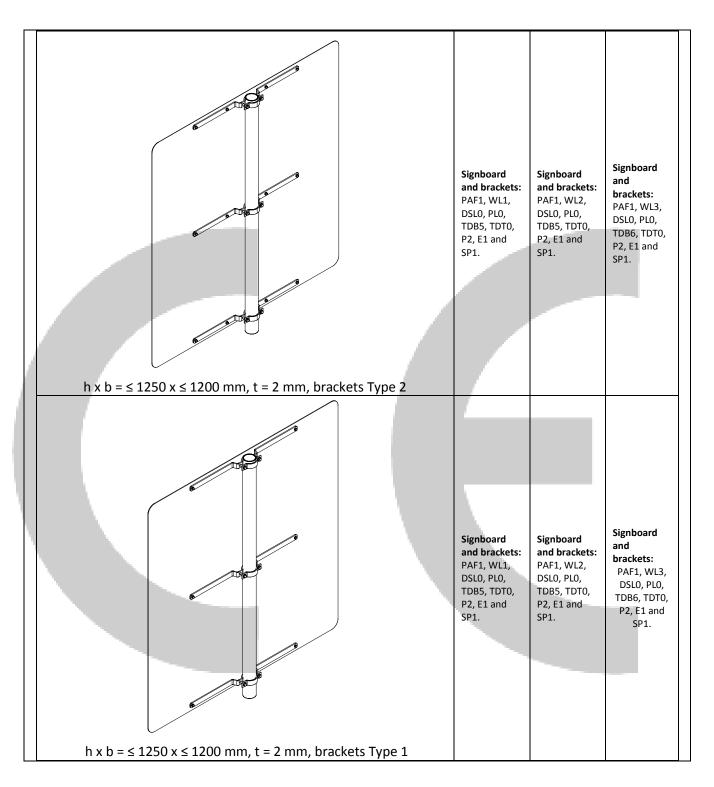


The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90







The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

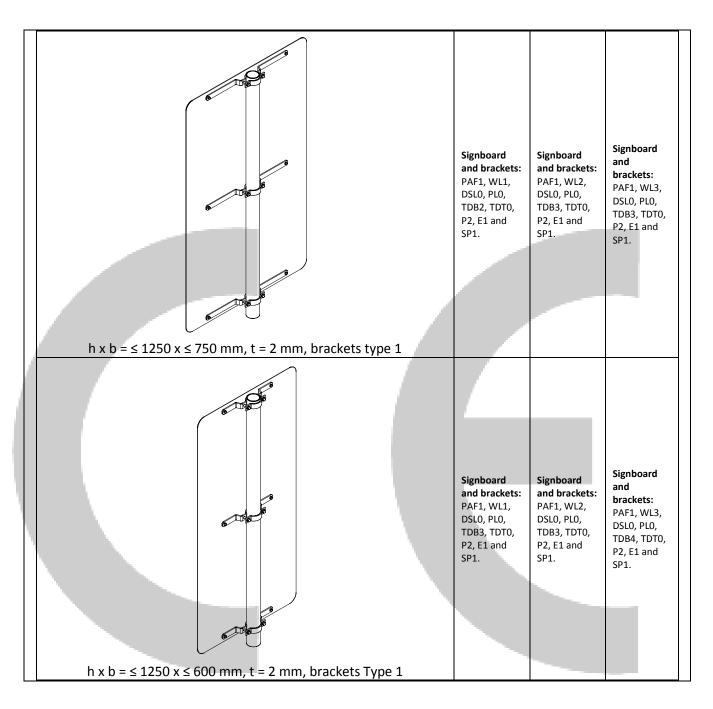
DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **7** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

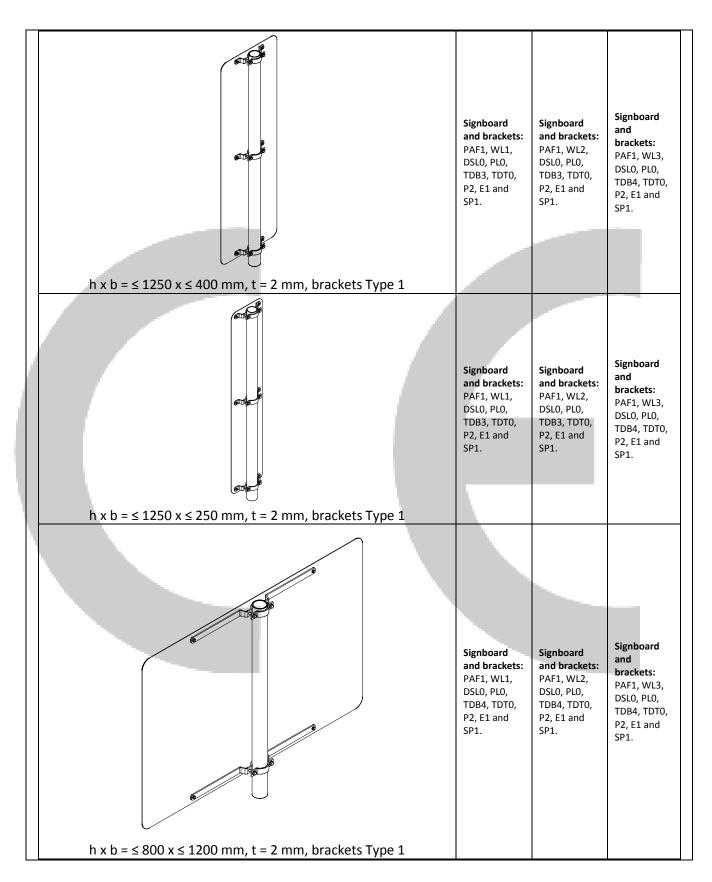


DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

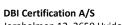
E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **8** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

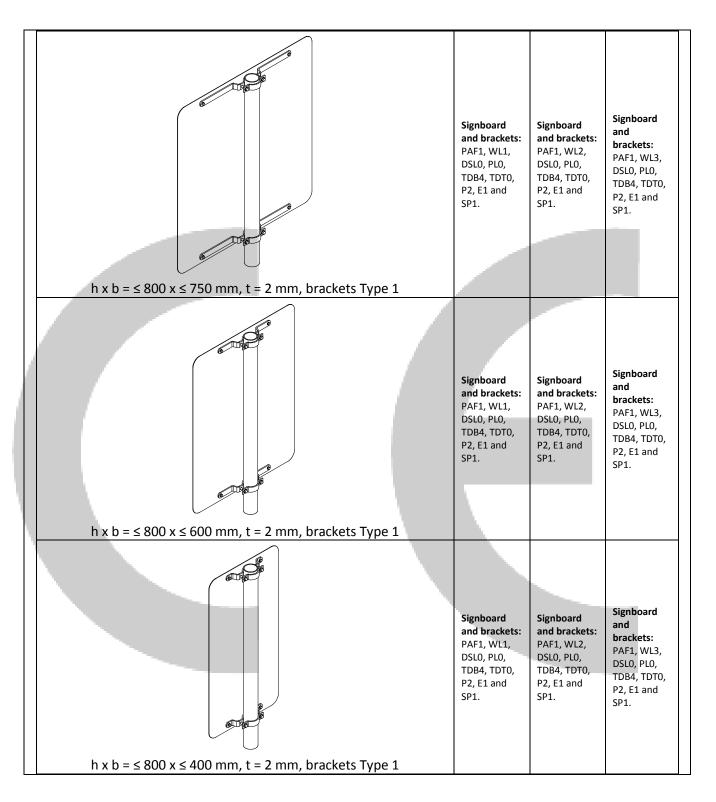


Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **9** of **27**



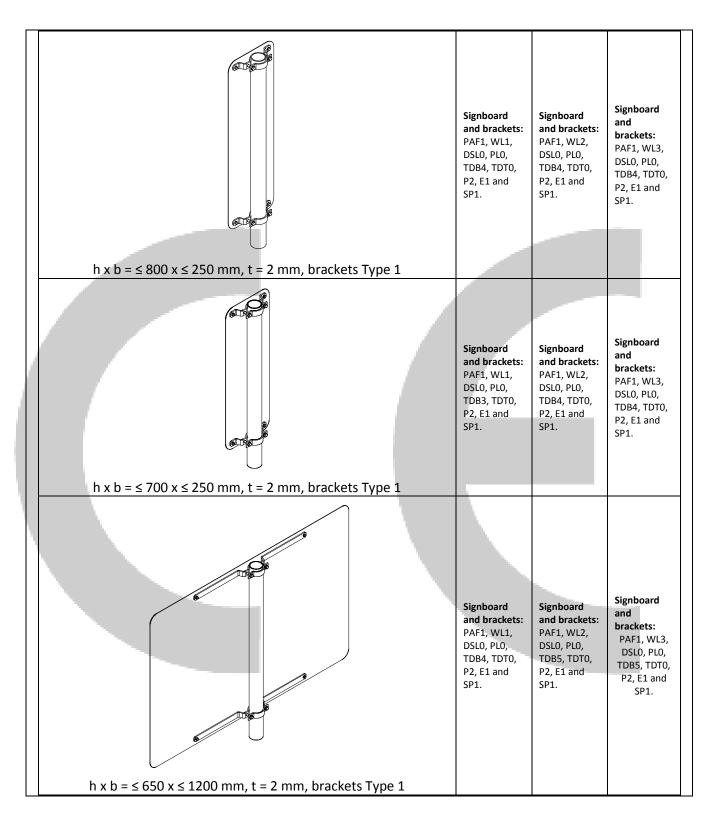


The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90







The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90





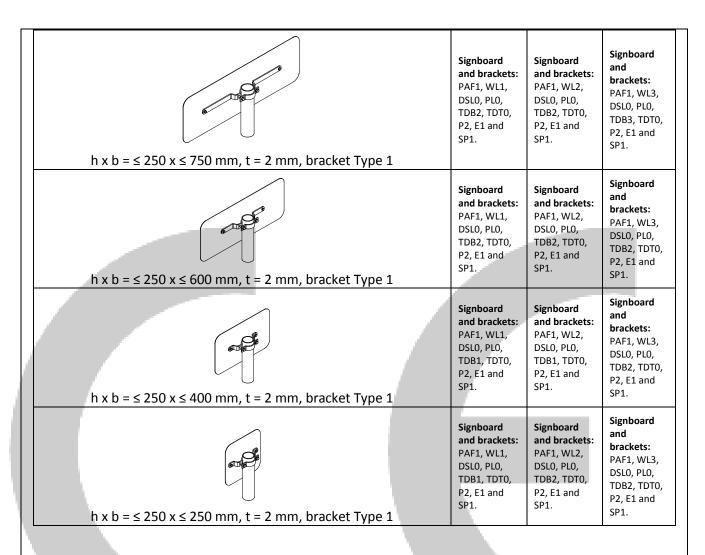
$h x b = \le 600 x \le 600 \text{ mm}, t = 2 \text{ mm}, \text{ brackets Type 1}$	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.
$h \times b = \le 600 \times \le 400 \text{ mm}, t = 2 \text{ mm}, \text{ brackets Type 1}$	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, F1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.
$h \times b = \le 550 \times \le 750 \text{ mm}, t = 2 \text{ mm}, \text{ brackets Type 1}$	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.
h x b = ≤ 250 x ≤ 1200 mm, t = 2 mm, bracket Type 1	Signboard and brackets: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL2, DSL0, PL0, TDB5, TDT0, P2, E1 and SP1.	Signboard and brackets: PAF1, WL3, DSL0, PL0, TDB5, TDT0, P2, E1 and SP1.

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90





The different types, shapes and sizes of minor traffic signs including mounting system are shown in Figure 1 and Figure 2.

The variation of the sizes for the individual types and shapes inclusive mounting system are shown in Figure 1 to Figure 6 and in Table 1.

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

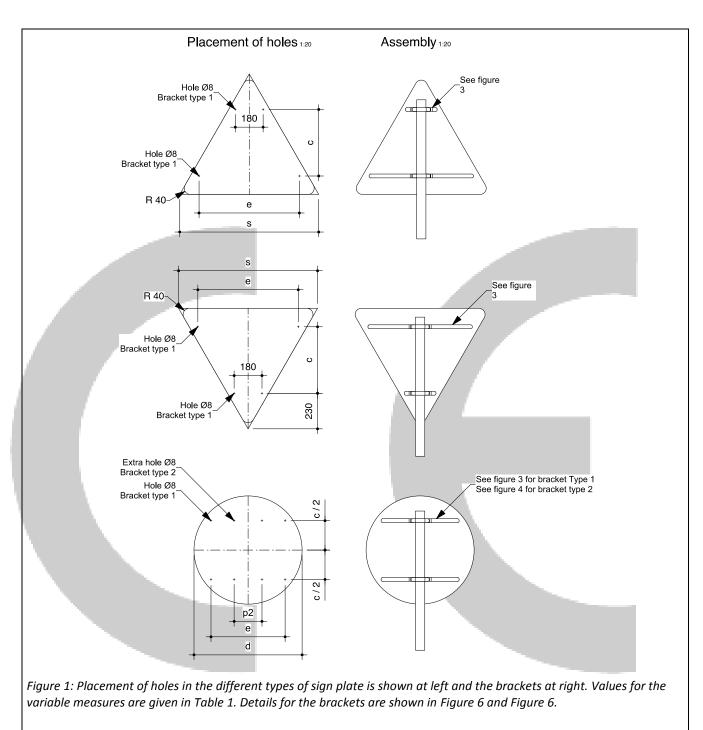


DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **13** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **14** of **27**



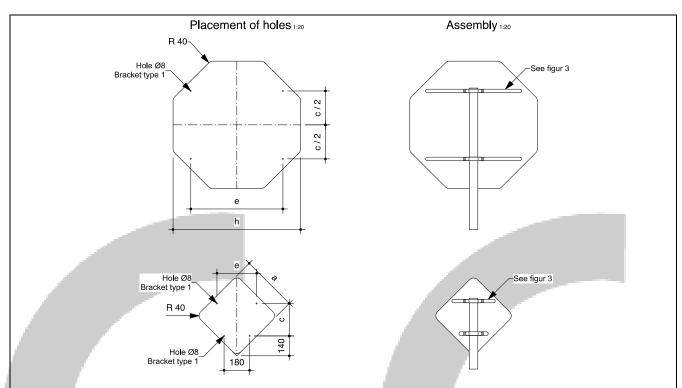


Figure 2: Placement of holes in the different types of sign plate is shown at left and the brackets at right. Values for the variable measures are given in Table 1. Details for the brackets are shown in Figure 5 and Figure 6.

Shape	Size	Variable ı	neasures	Minin	num numb	ers of bra	ckets
o X		с	е	e = 180	e = 280	e = 480	e = 650
$\star \bigtriangleup$	s = 700	255	480	1		1	
	s = 900	430	650	1			1
\vee	s = 1250	750	650	1			1
1	d = 500	290	280		2		
σ	d = 700	390	480			2	
	d = 900	480	650				2
	d = 1200	640	650				2
_	h = 900	490	650				
× ×	a = 500	370	280	1	1		

Table 1: Variable measures of the different sign types and their numbers of brackets to be used for the sign plates shown in Figure 1 and Figure 2.

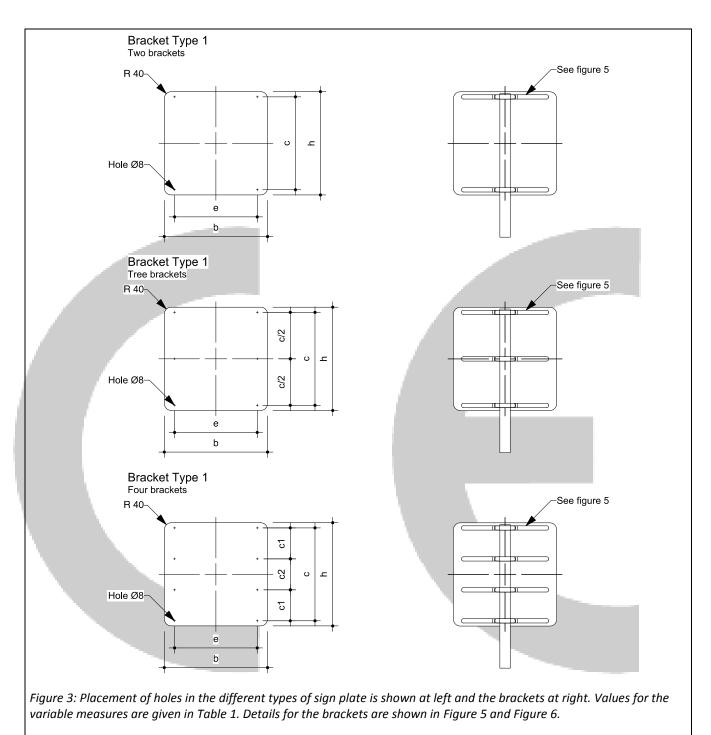
The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90







The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

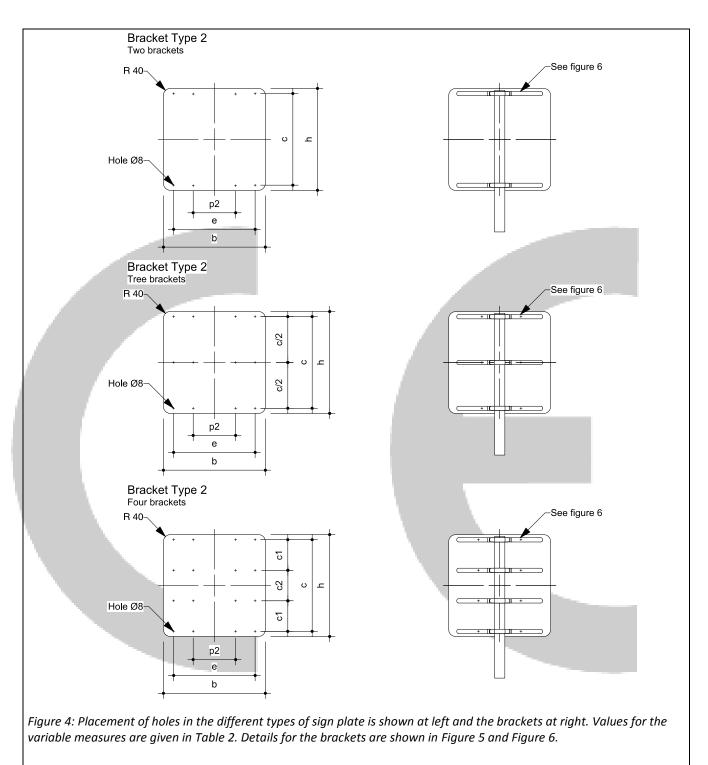
DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **16** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk

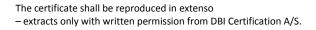


Version 2019-06-25 Page **17** of **27**



							Minimum numbers of	
	h	b	C	c1	c2	е	brackets	
	1450	650	1389	463	463	280	4	
	1450	650	1390	-	-	280	3	
	1250	1200	1190	395	400	650	4	
	1250	1200	1190	-	-	650	3	
	1250	750	1190	-	-	480	3	
	1250	600	1190	-	-	280	3	
	1250	400	1190	-	-	180	3	
	1250	250	1190	-	-	180	3	
	800	1200	740	-	-	650	2	
	800	750	740	-	-	480	2	
	800	600	740	-	-	280	2	
	800	400	740	-	-	180	2	
	800	250	740	-	-	180	2	
	700	250	640	-	-	180	2	
	650	1200	590	-	-	650	2	
	600	600	540	-	-	280	2	
	600	400	540	-	-	180	2	
	550	750	490	-	-	480	2	
	250	1200	-	-	-	650	1	
- /	250	750	-	-	-	480	1	
	250	600	-	-	-	280	1	
	250	400	-	-		180	1	
	250	250	-	-		180	1	

Table 2: Variable measures of the different sign types and their numbers of brackets to be used for the sign plates shown in Figure 3 and Figure 4.



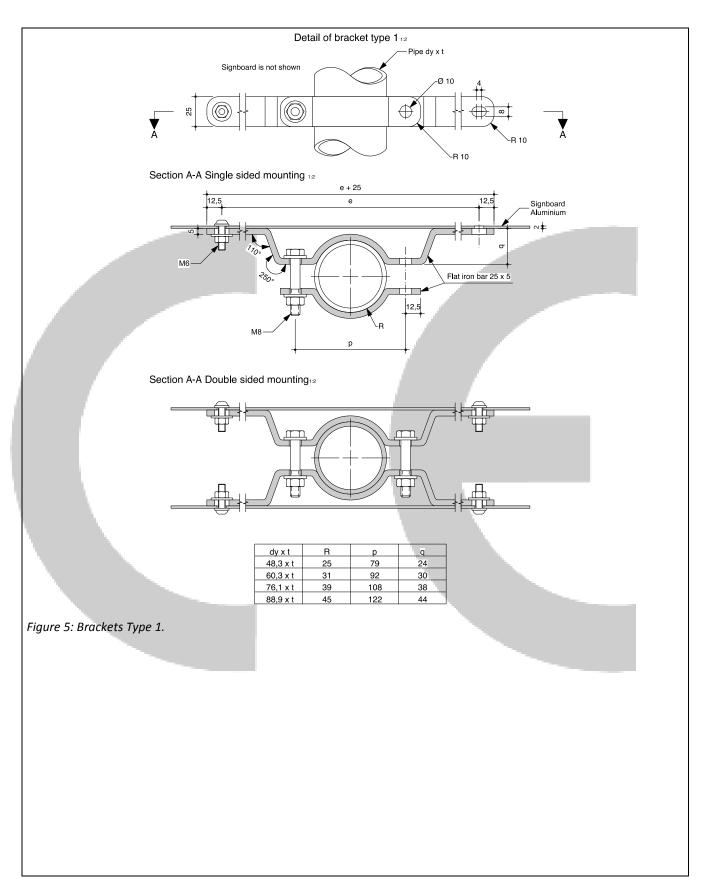


DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **18** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.

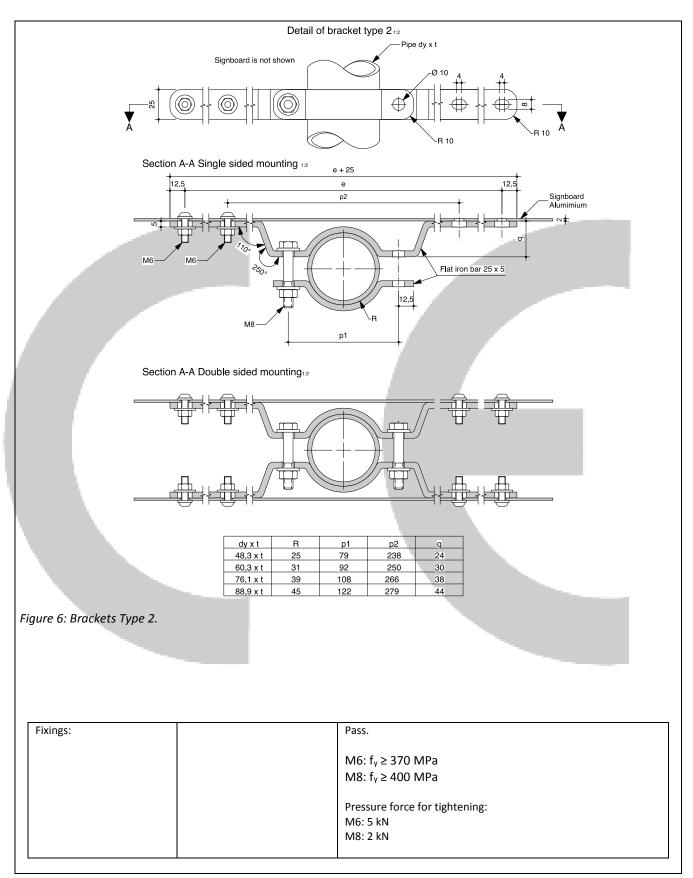
DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk



Version 2019-06-25 Page **19** of **27**





The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90



Colour					
	Name of product	Visibility charac	teristics	Durability	
001041		Daylight	Coefficient of	Impact	Resistance to
		Chromaticity	retroreflection	resistance	weathering
		& luminance	4.1.1.4	4.1.2.	4.1.1.5.
		factor 4.1.1.3.			For black
		For black			colours:
		colours:			7.2.2.1.4
		7.2.2.1.3			
White	ORALITE [©] 5710-010 Engineering Grade	CR2	RA1	pass	pass
/ellow	ORALITE [©] 5710-020 Engineering Grade	CR2	RA1	pass	pass
Red	ORALITE [©] 5710-030 Engineering Grade	CR2	RA1	pass	pass
Blue	ORALITE [©] 5710-050 Engineering Grade	CR2	RA1	pass	pass
Green	ORALITE [©] 5710-060 Engineering Grade	CR2	RA1	pass	pass
Orange	ORALITE [©] 5710-035 Engineering Grade	CR1	RA1	pass	pass
Brown	ORALITE [©] 5710-080 Engineering Grade	CR2	RA1	pass	pass
				_	
Retroreflec	tive sheeting ORALITE [©] 5710 engineering Grade with	the following Lette	ering Film:		
Black	ORALITE [©] 5071-070 Lettering Film	NR1	-	pass	pass
				•	
Yellow Red	ORALITE [©] 5018-020 Screen Printing ink ORALITE [©] 5018-030 Screen Printing ink	CR2 CR2	RA1 RA1	pass pass	pass pass
blue	ORALITE [©] 5018-050 Screen Printing ink	CR2	RA1	pass	pass
Green	ORALITE [©] 5018-060 Screen Printing ink	CR2	RA1	pass	pass
Black	ORALITE [©] 5018-070 Screen Printing ink	NR1	-	pass	pass
	tive sheeting ORALITE [©] 5710 engineering Grade with	the following scree	en printing colours	s on yellow ret	troreflective
sheeting:					
Red	ORALITE [©] 5018-030 Screen Printing ink	CR2	RA1	pass	pass
	ORALITE [©] 5018-070 Screen Printing ink			P	
Black		NR1	-	pass	· · ·
Black		NR1	-	pass	pass
Black Digital prin	ting colours:	NR1		pass	
Digital prin			- Iting system AGFA		pass
Digital prin The digital Speed-UV-I	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar	; with the digital prir	- Iting system AGFA		pass
Digital prin The digital Speed-UV-I ORALITE [©] 5	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film.	; with the digital prir	- hting system AGFA		pass
Digital prin The digital Speed-UV-I ORALITE [©] 5 Digital Prin	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE [©] 5019 UV Digital Printing Ink	; with the digital prir	- nting system AGFA		pass
Digital prin The digital Speed-UV-I ORALITE [©] 5	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film.	; with the digital prir	- nting system AGFA		pass
Digital prin The digital Speed-UV-I ORALITE [®] 5 Digital Prin On white sheeting	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE [©] 5019 UV Digital Printing Ink ORALITE [©] 5710-010 Engineering Grade	; with the digital prir	- nting system AGFA		pass
Digital prin The digital Speed-UV-I ORALITE® 5 Digital Prin On white Sheeting White	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE [©] 5019 UV Digital Printing Ink ORALITE [©] 5710-010 Engineering Grade and	g with the digital printern laminate	RA1	ANAPURNA M	pass 12050 High- pass
Digital prin The digital Speed-UV-I ORALITE® 5 Digital Prin On white Sheeting White	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE® 5019 UV Digital Printing Ink ORALITE® 5710-010 Engineering Grade and ORALITE® 5062-000 Transparent Film	with the digital prir ent laminate		ANAPURNA N	pass 12050 High-
Digital prin The digital Speed-UV-I ORALITE [®] 5 Digital Prin On white	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE® 5019 UV Digital Printing Ink ORALITE® 5710-010 Engineering Grade and ORALITE® 5062-000 Transparent Film ORALITE® 5019-020 UV Digital Printing Ink and	g with the digital printern laminate	RA1	ANAPURNA M	pass 12050 High- pass
Digital prin The digital Speed-UV-I ORALITE® 5 Digital Prin On white Sheeting White Yellow	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE® 5019 UV Digital Printing Ink ORALITE® 5710-010 Engineering Grade and ORALITE® 5062-000 Transparent Film ORALITE® 5062-000 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film ORALITE® 5062-000 Transparent Film ORALITE® 5062-000 Transparent Film ORALITE® 5019-030 UV Digital Printing Ink and	c with the digital print rent laminate CR2 CR2 CR2	RA1 RA1 RA1	ANAPURNA M pass pass pass	pass 12050 High- pass pass pass
Digital prin The digital Speed-UV-I ORALITE® 5 Digital Prin On white sheeting White Yellow Red	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE® 5019 UV Digital Printing Ink ORALITE® 5710-010 Engineering Grade and ORALITE® 5062-000 Transparent Film ORALITE® 5062-000 Transparent Film ORALITE® 5062-000 Transparent Film ORALITE® 5062-000 Transparent Film ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	with the digital printern laminate	RA1 RA1	ANAPURNA M pass pass	pass 12050 High- pass pass
Digital prin The digital Speed-UV-I DRALITE® 5 Digital Prin On white sheeting White Yellow Red Blue	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE® 5019 UV Digital Printing Ink ORALITE® 5710-010 Engineering Grade and ORALITE® 5062-000 Transparent Film ORALITE® 5019-020 UV Digital Printing Ink and ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5019-050 UV Digital Printing Ink and ORALITE® 5019-060 UV Digital Printing Ink and	c with the digital print rent laminate CR2 CR2 CR2 CR2 CR2	RA1 RA1 RA1 RA1 RA1	ANAPURNA M pass pass pass pass	pass 12050 High- pass pass pass pass
Digital prin The digital Speed-UV-I ORALITE® 5 Digital Prin On white sheeting White Yellow Red	ting colours: printing is processed on white retroreflective sheeting nkjet-System and is to be laminated with the transpar 5062-000 Transparent Film. ting Colour ORALITE® 5019 UV Digital Printing Ink ORALITE® 5710-010 Engineering Grade and ORALITE® 5062-000 Transparent Film ORALITE® 5019-020 UV Digital Printing Ink and ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film ORALITE® 5019-050 UV Digital Printing Ink and ORALITE® 5019-050 UV Digital Printing Ink and ORALITE® 5019-050 UV Digital Printing Ink and ORALITE® 5062-000 Transparent Film	c with the digital print rent laminate CR2 CR2 CR2	RA1 RA1 RA1	ANAPURNA M pass pass pass	pass 12050 High- pass pass pass

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **21** of **27**



	ORALITE [©] 5019-070 UV Digital Printing Ink and ORALITE [©] 5062-000 Transparent Film	NR1	-	pass	pass
If the colou	r black is printed solely, this material combination is ad	mitted to be used y	without the transp	parent laminate.	
Black	ORALITE [©] 5019-070 UV Digital Printing Ink	NR1	-	pass	pass
black		11111		puss	puss
Digital prin	ting colour ORALITE [©] 5019i UV Digital Printing Ink				
On white	ORALITE [©] 5710-010 Engineering Grade				
sheeting	and				
White	ORALITE [©] 5062-000 Transparent Film	CR2	RA1	pass	pass
Yellow	ORALITE [©] 5019i-020 UV Digital Printing Ink and	-		pere	
chen	ORALITE [©] 5062-000 Transparent Film	CR2	RA1	pass	pass
Red	ORALITE [©] 5019i-030 UV Digital Printing Ink and				
	ORALITE [©] 5062-000 Transparent Film	CR2	RA1	pass	pass
Blue	ORALITE [©] 5019i-050 UV Digital Printing Ink and				
	ORALITE [©] 5062-000 Transparent Film	CR2	RA1	pass	pass
Green	ORALITE [©] 5019i-060 UV Digital Printing Ink and				
	ORALITE [©] 5062-000 Transparent Film	CR2	RA1	pass	pass
Orange	ORALITE [©] 5019i-035 UV Digital Printing Ink and				
	ORALITE [©] 5062-000 Transparent Film	CR1	RA1	pass	pass
Brown	ORALITE [©] 5019i-080 UV Digital Printing Ink and				
	ORALITE [©] 5062-000 Transparent Film	CR2	RA1	pass	pass
Black	ORALITE [©] 5019i-070 UV Digital Printing Ink and				
, a c i c	ORALITE [©] 5062-000 Transparent Film	NR1	-	pass	pass
				1	
	overlay film ORALITE [©] 5095 Anti-Graffitti Film for the fo ed retroreflective sheeting ORALITE [©] 5710 Enginering G		orinting ORALITE [©]	5018	
Red	ORALITE [©] 5018-030 Screen Printing Ink and				
		CR2	RA1	pass	
	ORALITE [©] 5095 Anti-Graffiti Film				pass
Blue	ORALITE [®] 5095 Anti-Graffiti Film ORALITE [®] 5018-050 Screen Printing Ink and	CP2	PA1		•
Blue		CR2	RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and	CR2 NR1	RA1	pass	pass
Blue Black	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film		RA1		•
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1 -	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1 -	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1 -	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1 -	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass
	ORALITE [©] 5018-050 Screen Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film ORALITE [©] 5018-070 Screen Printing Ink and		RA1	pass	pass

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.





DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90



	5810 High Intensity Grade: ctive sheeting ORALITE [©] 5810 High Intensity Grade v	uith the fellowing and			
Colour	Name of product	Visibility charac		s: Durability	
Coloui	Name of product		Coefficient of		Desistance to
		Daylight		Impact	Resistance to
		Chromaticity	retroreflection	resistance	weathering
		& luminance	4.1.1.4	4.1.2.	4.1.1.5.
		factor 4.1.1.3.			For black
		For black			colours:
		colours:			7.2.2.1.4
		7.2.2.1.3			
White	ORALITE [©] 5810-010 High Intensity Grade	CR2	RA2	pass	pass
Yellow	ORALITE [©] 5810-020 High Intensity Grade	CR2	RA2	pass	pass
Red	ORALITE [©] 5810-030 High Intensity Grade	CR2	RA2	pass	pass
Blue	ORALITE [©] 5810-050 High Intensity Grade	CR2	RA2	pass	pass
Green	ORALITE [©] 5810-060 High Intensity Grade	CR2	RA2	pass	pass
Brown	ORALITE [©] 5810-080 High Intensity Grade	CR2	RA2	•	
BIOWII	ORALITE SSID-060 High Intensity Grade	Ch2	hA2	pass	pass
	ctive sheeting ORALITE [®] 5810 High Intensity Grade v		ttering Film:		
Black	ORALITE [©] 5081-070 Lettering Film	NR1	-	pass	pass
Retrorefle	ctive sheeting ORALITE [©] 5810 High Intensity Grade v	vith the following Co	loured Laminates	:	
Yellow	ORALITE [©] 5061-020 Transparent Film	CR2	RA2	pass	pass
Red	ORALITE [©] 5061-030 Transparent Film	CR2	RA2	pass	pass
Blue	ORALITE [©] 5061-050 Transparent Film	CR2	RA2	pass	pass
Green	ORALITE [©] 5061-060 Transparent Film	CR2	RA2	pass	pass
Brown	ORALITE [©] 5061-080 Transparent Film	CR2	RA2	•	
			1	pass	pass
Dark Green	ORALITE [©] 5061-625 Transparent Film	CR1	RA2	pass	pass
	ctive sheeting ORALITE [©] 5810 High Intensity Grade v	vith the following Scr	een Printing Colo	urs on white r	etroreflective
Retrorefle sheeting:				urs on white r	etroreflective
Retrorefle sheeting: Yellow	ORALITE [©] 5018-020 Screen Printing Ink	CR2	RA2	urs on white r	etroreflective pass
Retrorefle sheeting: Yellow	ORALITE [©] 5018-020 Screen Printing Ink ORALITE [©] 5018-030 Screen Printing Ink	CR2 CR2			1
Retrorefle sheeting: Yellow Red	ORALITE [®] 5018-020 Screen Printing Ink ORALITE [®] 5018-030 Screen Printing Ink ORALITE [®] 5018-050 Screen Printing Ink	CR2	RA2	pass	pass
Retrorefle sheeting: Yellow Red Blue	ORALITE [©] 5018-020 Screen Printing Ink ORALITE [©] 5018-030 Screen Printing Ink	CR2 CR2	RA2 RA2	pass pass	pass pass
Retrorefle sheeting: Yellow Red Blue Green	ORALITE [®] 5018-020 Screen Printing Ink ORALITE [®] 5018-030 Screen Printing Ink ORALITE [®] 5018-050 Screen Printing Ink ORALITE [®] 5018-060 Screen Printing Ink	CR2 CR2 CR2 CR2	RA2 RA2 RA2	pass pass pass	pass pass pass
Retrorefle sheeting: Yellow Red Blue Green	ORALITE [®] 5018-020 Screen Printing Ink ORALITE [®] 5018-030 Screen Printing Ink ORALITE [®] 5018-050 Screen Printing Ink	CR2 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 RA2 RA2	pass pass pass pass	pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black	ORALITE [©] 5018-020 Screen Printing Ink ORALITE [©] 5018-030 Screen Printing Ink ORALITE [©] 5018-050 Screen Printing Ink ORALITE [©] 5018-060 Screen Printing Ink ORALITE [©] 5018-070 Screen Printing Ink	CR2 CR2 CR2 CR2 CR2 CR2 NR1	RA2 RA2 RA2 RA2 -	pass pass pass pass pass	pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting:	ORALITE [©] 5018-020 Screen Printing Ink ORALITE [©] 5018-030 Screen Printing Ink ORALITE [©] 5018-050 Screen Printing Ink ORALITE [©] 5018-060 Screen Printing Ink ORALITE [©] 5018-070 Screen Printing Ink ctive sheeting ORALITE [©] 5810 High Intensity Grade v	CR2 CR2 CR2 CR2 CR2 NR1	RA2 RA2 RA2 RA2 -	pass pass pass pass pass	pass pass pass pass pass
Retrorefle sheeting: (ellow Red Blue Green Black Retrorefle sheeting:	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Crive sheeting ORALITE® 5810 High Intensity Grade v ORALITE® 5018-030 Screen Printing Ink	CR2 CR2 CR2 CR2 CR2 CR2 NR1	RA2 RA2 RA2 RA2 -	pass pass pass pass pass	pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Black Retrorefle sheeting: Red	ORALITE [©] 5018-020 Screen Printing Ink ORALITE [©] 5018-030 Screen Printing Ink ORALITE [©] 5018-050 Screen Printing Ink ORALITE [©] 5018-060 Screen Printing Ink ORALITE [©] 5018-070 Screen Printing Ink ctive sheeting ORALITE [©] 5810 High Intensity Grade v	CR2 CR2 CR2 CR2 CR2 NR1	RA2 RA2 RA2 RA2 -	pass pass pass pass pass urs on yellow	pass pass pass pass pass pass retroreflective
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin The digital	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Crive sheeting ORALITE® 5810 High Intensity Grade v ORALITE® 5018-030 Screen Printing Ink	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 g with the digital prin	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass	pass pass pass pass pass pass pass pass
Retrorefle sheeting: (ellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin Fhe digital Speed-UV-	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Inting Colours: nting Colour ORALITE® 5019 UV Digital Printing Ink printing is processed on white retroreflective sheeting Inkjet-System and is to be laminated with a transpare	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 CR2 NR1	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass	pass pass pass pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Digital Prin Digital Prin The digital Speed-UV- Digital Prin	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Inting Colours: nting Colour ORALITE® 5019 UV Digital Printing Ink printing is processed on white retroreflective sheetin Inkjet-System and is to be laminated with a transpare nting with protective laminate ORALITE® 5061-000 T	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 CR2 NR1	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass	pass pass pass pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Inting Colours: nting Colour ORALITE® 5019 UV Digital Printing Ink printing is processed on white retroreflective sheetin Inkjet-System and is to be laminated with a transpare nting with protective laminate ORALITE® 5061-000 T ORALITE® 5810-010 High Intensity Grade	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 CR2 NR1	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass	pass pass pass pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin Digital Prin Digital Prin On white sheeting	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Inting Colours: nting Colours: nting Colours: nting Colours: ORALITE® 5018-070 Screen Printing Ink	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 CR2 NR1	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass pass	pass pass pass pass pass retroreflective pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin Digital Prin Digital Prin On white sheeting	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 CR2 NR1	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass	pass pass pass pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin Digital Prin Digital Prin On white sheeting	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5019-070 VD Jugital Printing Ink and	CR2 CR2 CR2 CR2 CR2 NR1 vith the following Scr CR2 NR1 CR2 NR1	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass ANAPURNA M	pass pass pass pass pass retroreflective pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin The digital Speed-UV- Digital Prin On white sheeting WBhite	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Inting Colours: Inting Colour ORALITE® 5019 UV Digital Printing Ink printing is processed on white retroreflective sheetin Inkjet-System and is to be laminated with a transparent Inkjet-System and is to be laminated with a transparent ORALITE® 5061-000 Transparent Film ORALITE® 5061-000 Transparent Film	CR2 CR2 CR2 CR2 CR2 CR2 NR1 Vith the following Scr CR2 NR1 g with the digital prin nt laminate. ransparent Film CR2 CR2	RA2 RA2 RA2 PA2 Preen Printing Colo RA1 -	pass pass pass pass pass urs on yellow pass pass pass	pass pass pass pass retroreflective pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin Digital Prin On white sheeting WBhite Yellow	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5019 UV Digital Printing Ink ORALITE® 5810-010 High Intensity Grade and ORALITE® 5061-000 Transparent Film ORALITE® 5061-000 Transparent Film ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5019-030 UV Digital Printing Ink and	CR2 CR2 CR2 CR2 CR2 NR1 Vith the following Scr CR2 NR1 CR2 NR1 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass pass pass pass	pass pass pass pass pass retroreflective pass pass pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Black Digital Prin Digital Prin Di	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink Inting Colours: Inting Colour ORALITE® 5019 UV Digital Printing Ink printing is processed on white retroreflective sheetin Inkjet-System and is to be laminated with a transparent Inkjet-System and is to be laminated with a transparent ORALITE® 5061-000 Transparent Film ORALITE® 5061-000 Transparent Film	CR2 CR2 CR2 CR2 CR2 CR2 NR1 Vith the following Scr CR2 NR1 g with the digital prin nt laminate. ransparent Film CR2 CR2	RA2 RA2 RA2 PA2 Preen Printing Colo RA1 -	pass pass pass pass pass urs on yellow pass pass ANAPURNA M	pass pass pass pass pass retroreflective pass pass pass pass
Retrorefle sheeting: Yellow Red Blue Green Black Retrorefle sheeting: Red Digital Prin Digital Prin Digital Prin Digital Prin On white sheeting WBhite Yellow	ORALITE® 5018-020 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-050 Screen Printing Ink ORALITE® 5018-060 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5018-030 Screen Printing Ink ORALITE® 5018-070 Screen Printing Ink ORALITE® 5019 UV Digital Printing Ink ORALITE® 5810-010 High Intensity Grade and ORALITE® 5061-000 Transparent Film ORALITE® 5061-000 Transparent Film ORALITE® 5019-030 UV Digital Printing Ink and ORALITE® 5019-030 UV Digital Printing Ink and	CR2 CR2 CR2 CR2 CR2 NR1 Vith the following Scr CR2 NR1 CR2 NR1 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 - - - - - - - - - - - - - - - - - - -	pass pass pass pass pass urs on yellow pass pass pass pass pass	pass pass pass pass pass retroreflective pass pass pass pass pass pass

The certificate shall be reproduced in extenso

- extracts only with written permission from DBI Certification A/S.



DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **23** of **27**



Green	ORALITE [©] 5019-060 UV Digital Printing Ink and ORALITE [©] 5061-000 Transparent Film	CR2	RA2	pass	pass
Brown	ORALITE [©] 5019-080 UV Digital Printing Ink and	CR2	RA2	pass	pass
Dark	ORALITE [©] 5061-000 Transparent Film ORALITE [©] 5019-625 UV Digital Printing Ink and			-	-
Green	ORALITE [©] 5061-000 Transparent Film	CR2	RA2	pass	pass
Grey	ORALITE [©] 5019-073 UV Digital Printing Ink and ORALITE [©] 5061-000 Transparent Film	CR2	RA2*	pass	pass
*Coefficien	t of retroreflection: Value for printed colours 70% of R	42			
Black	ORALITE [©] 5019-070 UV Digital Printing Ink and ORALITE [©] 5061-000 Transparent Film	NR1	-	pass	pass
Digital Prin	ting with protective laminate ORALITE [©] 5090 Anti-De	w Film:			
Dn white heeting	ORALITE [©] 5810-010 High Intensity Grade and				
White	ORALITE [©] 5090 Anti-Dew Film	CR2	RA2	pass	pass
ellow/	ORALITE [©] 5019-020 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2	pass	pass
Red	ORALITE [©] 5019-030 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2	pass	pass
Blue	ORALITE [©] 5019-050 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2*	pass	pass
Green	ORALITE [©] 5019-060 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2*	pass	pass
Brown	ORALITE [©] 5019-080 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2	pass	pass
Dark Green	ORALITE [©] 5019-625 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2	pass	pass
Grey	ORALITE [©] 5019-073 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	CR2	RA2	pass	pass
*Coeffici	ent of retroreflection: Value for printed colou	rs 70% of RA2			
Black	ORALITE [©] 5019-070 UV Digital Printing Ink and ORALITE [©] 5090 Anti-Dew Film	NR1		pass	pass
-	ting with protective laminate ORALITE [®] 5095 Anti-Gra	affiti Film:	_		
On white sheeting	ORALITE [©] 5810-010 High Intensity Grade and				
White	ORALITE [©] 5095 Anti-Graffitti Film	CR2	RA2	pass	pass
Yellow	ORALITE [©] 5019-020 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
Red	ORALITE [©] 5019-030 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
Blue	ORALITE [©] 5019-050 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2*	pass	pass
Green	ORALITE [©] 5019-060 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2*	pass	pass
Brown	ORALITE [©] 5019-080 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
Grey	ORALITE [©] 5019-073 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
Coefficien	t of retrorefelction: Value for printed colours 70% of R	42	1		
Black	ORALITE [©] 5019-070 UV Digital Printing Ink and ORALITE [©] 5095 Anti-Graffiti Film	NR1	-	pass	pass
	r Black is printed solely, this material combination is ac	Imitted to be used	without the transr	parent laminate	
f the colou	ii black is printed solely, this material combination is at				

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **24** of **27**



	Inkjet-System and is to be laminated with the transparer	it laminate			
	5061-000 Transparent Film	1			
n white heeting	ORALITE [©] 5810-010 High Intensity Grade and				
White	ORALITE [©] 5061-000 Transparent Film	CR2	RA2	2250	2250
white	ORALITE® 5019i-020 UV Digital Printing Ink and	CNZ	RAZ	pass	pass
Yellow	ORALITE [®] 5061-000 Transparent Film	CR2	RA2	pass	pass
	ORALITE [©] 5019i-030 UV Digital Printing Ink and				
Red	ORALITE [©] 5061-000 Transparent Film	CR2	RA2	pass	pass
	ORALITE [©] 5019i-050 UV Digital Printing Ink and				
Blue	ORALITE [©] 5061-000 Transparent Film	CR2	RA2	pass	pass
	ORALITE [©] 5019i-060 UV Digital Printing Ink and	050	543		
Green	ORALITE [©] 5061-000 Transparent Film	CR2	RA2	pass	pass
Drown	ORALITE [©] 5019i-080 UV Digital Printing Ink and	CR2	DAD	2200	2255
Brown	ORALITE [©] 5061-000 Transparent Film	CRZ	RA2	pass	pass
Dark	ORALITE [©] 5019i-625 UV Digital Printing Ink and	CR2	RA2	nacc	D 200
Green	ORALITE [©] 5061-000 Transparent Film	CKZ	NA2	pass	pass
Grey	ORALITE [©] 5019i-073 UV Digital Printing Ink and	CR2	RA2	pass	pass
urey	ORALITE [©] 5061-000 Transparent Film		1/72	pass	hass
Black	ORALITE [©] 5019i-070 UV Digital Printing Ink and	NR1		pass	pass
Diuck	ORALITE [©] 5061-000 Transparent Film	NIX 1		puss	puss
lear over olouring Inti Dew: he dyed s	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is				-
Clear over colouring Anti Dew: The dyed s unction O	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours:				-
Clear over colouring Anti Dew: The dyed s unction O Dyed Retr	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [©] 5090 Andi-Dew film for the following colours: preflective Sheeting:	accepted to be pr	ocessed with the c		-
Clear over colouring Anti Dew: The dyed s unction O	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE [®] 5810-010 High Intensity Grade				-
Clear over olouring Anti Dew: The dyed s unction O Dyed Retr White	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE [®] 5810-010 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film	accepted to be pr	ocessed with the c	lear overlay filn pass	n anti-dew pass
Clear over colouring Anti Dew: The dyed s unction O Dyed Retr	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE [®] 5810-010 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film ORALITE [®] 5810-020 High Intensity Grade	accepted to be pr	ocessed with the c	lear overlay filn	n anti-dew
Clear over olouring (Anti Dew: The dyed s unction O Dyed Retr White Yellow	lay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE [®] 5810-010 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film ORALITE [®] 5810-020 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film	accepted to be pr CR2 CR2	RA2 RA2	lear overlay filn pass pass	n anti-dew pass pass
Clear over olouring Anti Dew: The dyed s unction O Dyed Retr White	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE [®] 5810-010 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film ORALITE [®] 5810-020 High Intensity Grade	accepted to be pr	ocessed with the c	lear overlay filn pass	n anti-dew pass
Clear over olouring (Anti Dew: The dyed s unction O Dyed Retr White Yellow Red	lay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE [®] 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE [®] 5810-010 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film ORALITE [®] 5810-020 High Intensity Grade and ORALITE [®] 5090 Anti-Dew film ORALITE [®] 5810-030 High Intensity Grade	accepted to be pr CR2 CR2 CR2 CR2	RA2 RA2 RA2 RA2	lear overlay filn pass pass pass	n anti-dew pass pass pass
Clear over olouring (Anti Dew: The dyed s unction O Dyed Retr White Yellow	lay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-020 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2	RA2 RA2	lear overlay filn pass pass	n anti-dew pass pass
Clear over olouring (Anti Dew: The dyed s unction O Dyed Retr White Yellow Red Blue	lay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-020 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay filn pass pass pass	n anti-dew pass pass pass
Clear over olouring (Anti Dew: The dyed s unction O Oyed Retr White Yellow Red Blue Oyed Retr	lay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay filn pass pass pass	n anti-dew pass pass pass
Clear over olouring (Anti Dew: The dyed s unction O Dyed Retr White Yellow Red Blue	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film OFeflective Sheeting ORALITE® 5810 High Intensity Grade ORALITE® 5061-020 Transparent Film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay filn pass pass pass	n anti-dew pass pass pass
Clear over olouring (Anti Dew: The dyed so unction O Oyed Retr White Yellow Red Blue Oyed Retr Yellow	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-030 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2	ocessed with the c RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass	n anti-dew pass pass pass pass
Clear over olouring (Anti Dew: The dyed s unction O Oyed Retr White Yellow Red Blue Oyed Retr	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5091-020 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5061-020 Transparent Film and ORALITE® 5091-030 Transparent Film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2	ocessed with the c RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass	n anti-dew pass pass pass pass
ilear over olouring j inti Dew: he dyed s unction O Pyed Retr White Yellow Red Blue Pyed Retr ellow	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2	ocessed with the c RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass pass	n anti-dew pass pass pass pass pass
lear over olouring j nti Dew: he dyed s unction O yed Retr White Yellow Red Blue Blue ellow ed	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film ORALITE® 5061-020 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5091-030 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5061-030 Transparent Film and ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2	RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass pass	n anti-dew pass pass pass pass pass
lear over olouring j inti Dew: he dyed s unction O yed Retr White Yellow Red Blue Blue	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film	accepted to be pr CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2 CR2	ocessed with the c RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass pass pass pass	n anti-dew pass pass pass pass pass pass pass
lear over olouring j inti Dew: he dyed s unction O yed Retr White Yellow Red Blue Blue ellow ed lue	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5061-020 Transparent Film and ORALITE® 5091-030 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5061-030 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5091-030 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5090 Anti-Dew film	accepted to be provide the providet the provide the providet the provi	RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass pass pass pass	n anti-dew pass pass pass pass pass pass pass
lear over olouring j nti Dew: he dyed s unction O yed Retr White Yellow Red Blue Blue ellow ed	ay film with special function: ay films with special function (anti-dew and anti-graffiti) process. heeting and the combination with coloured laminates is RALITE® 5090 Andi-Dew film for the following colours: preflective Sheeting: ORALITE® 5810-010 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-020 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-030 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5810-050 High Intensity Grade and ORALITE® 5090 Anti-Dew film ORALITE® 5061-020 Transparent Film and ORALITE® 5091-030 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5061-030 Transparent Film and ORALITE® 5090 Anti-Dew film ORALITE® 5061-050 Transparent Film and ORALITE® 5090 Anti-Dew film	accepted to be provide the providet the provide the providet the provi	RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2 RA2	lear overlay film pass pass pass pass pass pass pass	n anti-dew pass pass pass pass pass pass pass

graffiti function ORALITE[®] 5095 Anti Graffiti Film for the following colours.

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S

Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90 E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **25** of **27**



Dyed Retr	oreflective Sheeting:				
	ORALITE [©] 5810-010 High Intensity Grade				
White	and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
	ORALITE [©] 5810-020 High Intensity Grade	052	543		
Yellow	and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
D - J	ORALITE [©] 5810-030 High Intensity Grade	602	DA 2		
Red	and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
Dhue	ORALITE [©] 5810-050 High Intensity Grade	CD2	DA 2		
Blue	and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
		<u> </u>	· .		
	oreflective Sheeting ORALITE [©] 5810 High Intensity	Grade with Coloured L	.aminate:		
Yellow	ORALITE [©] 5061-020 Transparent Film and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
Dl					
Red	ORALITE [©] 5061-030 Transparent Film	CR2	RA2	pass	pass
Dive	and ORALITE® 5095 Anti-Graffiti Film			-	
Blue	ORALITE [©] 5061-050 Transparent Film and ORALITE [©] 5095 Anti-Graffiti Film	CR2	RA2	pass	pass
			-		
Dyed Retr	oreflective Sheeting ORALITE [©] 5810 High Intensity	Grade with Lettering F	ilm:	_	
Black	ORALITE [©] 5081-070 Lettering Film				
	and ORALITE [©] 5095 Anti-Graffiti Film	NR1		pass	pass
External i	llumination:				
mean illu	minance,		NPD		
uniformit	y of illuminance		NPD		
unitornin	y or manimalice				
Corrosion	n resistance				
Brackets			Minimum S235	5	
			Hot dip galvani	ized to a minin	num of
			60µm.		
			SP1		
Screws, nu	its and washers		M6: f _y ≥ 370 I	MPa, SP1 or S	SP2
			according to	material.	
			M8: f _y ≥ 400 I		SP2
			According to		
			According to	material.	
Aluminum	plate		SP1		
	place		Laquered Al-pl	ate on exposed	d side if anv
					,
Resistanc	e to penetration of dust and		NPD		
water					
			The product ca		
			compartments	for electrical e	equipment

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S Jernholmen 12, 2650 Hvidovre Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **26** of **27**



Annex 2

TECHNICAL BASIS

Title	Date
Infra Gropu Danmark ApS Calculation of minor traffic signs (ITC) Shapes and sizes for signs without protection edge mounted on brackets made of presharped rectangular steel bars, 1th Edition.	September 2017
Annex	2009-03-17 2018-02-23
Orafol Retroreflective Sheeting Oralite [©] 5810 High Intensity grade: 0913-CPD-2009/035 Annex	2012-06-27 2018-02-23

The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



DBI Certification A/S Jernholmen 12, 2650 Hvidovre

Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk www.dbicertification.dk

Version 2019-06-25 Page **27** of **27**