

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 plate with protective edge 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 n	ame or trade mark of:	
	Saferoad Daluiso A/S	
	Hvidkærvej 33	
	5250 Odense SV	
	Denmark	
and produced in the manufacturin	ig plant:	
	CPA30003	
This attests that all provisions con	cerning the performance described in An	nnex ZA of the standard(s)

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 factory production control conducted by the manufacturer is assessed to ensure the

CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.

This certificate was first issued on 2020-12-15 and will remain valid as long as neither the harmonised 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: 2023-09-12

(This certificate supersedes the previous version of this certificate issued 2020-12-15)

lesper Viggo Quaade Responsible for evaluation

Merete Poulsen 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 2022-10-10 Page 1 of 13



Annex 1

Annex 1					
Sign, sizes and mounting system		Classification a	ccording to wi	nd load classes	5
Protective edge: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Brackets: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Sign plate: Minimum aluminium quality: $R_{p0,2} = 180 \text{ MPa}$	Placed in WL1	Placed in WL2	Placed in WL3	Placed in WL4	Placed in WL5
d ≤ 1200 mm, t = 2 mm	Sign plate				
	and	and	and	and	and
	brackets:	brackets:	brackets:	brackets:	brackets:
	PAF1,	PAF1,	PAF1,	PAF1,	PAF1,
	WL1,	WL2,	WL3,	WL4,	WL5,
	DSL0, PL0,				
	TDB4,	TDB4,	TDB5,	TDB5,	TDB5,
	TDT0, P2,				
	E2 and SP1.				
d ≤ 900 mm, t = 2 mm	Sign plate				
	and	and	and	and	and
	brackets:	brackets:	brackets:	brackets:	brackets:
	PAF1,	PAF1,	PAF1,	PAF1,	PAF1,
	WL1,	WL2,	WL3,	WL4,	WL5,
	DSL0, PL0,				
	TDB3,	TDB4,	TDB4,	TDB4,	TDB4,
	TDT0, P2,				
	E2 and SP1.				
d ≤ 700 mm, t = 2 mm	Sign plate				
	and	and	and	and	and
	brackets:	brackets:	brackets:	brackets:	brackets:
	PAF1,	PAF1,	PAF1,	PAF1,	PAF1,
	WL1,	WL2,	WL3,	WL4,	WL5,
	DSL0, PL0,				
	TDB2,	TDB3,	TDB3,	TDB3,	TDB4,
	TDT0, P2,				
	E2 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

E-mail: info@dbicertification.dk www.dbicertification.dk Version 2022-10-10 Page **2** of **13**



Sign, sizes and mounting system		Classification a	ccording to wi	nd load classes	
Protective edge: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Brackets: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Sign plate: Minimum aluminium quality: $R_{p0,2} = 180 \text{ MPa}$	Placed in WL1	Placed in WL2	Placed in WL3	Placed in WL4	Placed in WL5
	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.
d ≤ 500 mm, t = 2 mm h ≤ 1250 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB5, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB5, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB5, TDT0, P2, E2 and SP1.	N/A
h ≤ 900 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB5, TDT0, P2, E2 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

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



Sign, sizes and mounting system	T	Classification a	ccording to wi	nd load classes	
Protective edge: Minimum aluminium quality:				1000 003363	•
$R_{p0,2} = 200 \text{ MPa}$					
Brackets: Minimum aluminium quality:	Placed in	Placed in	Placed in	Placed in	Placed in
$R_{p0,2} = 200 \text{ MPa}$	WL1	WL2	WL3	WL4	WL5
Sign plate: Minimum aluminium quality:			1123		1125
$R_{p0,2} = 180 \text{ MPa}$					
	Sign plate	Sign plate	Sign plate	Sign plate	Sign plate
	and	and	and	and	and
	brackets:	brackets:	brackets:	brackets:	brackets:
	PAF1,	PAF1,	PAF1,	PAF1,	PAF1,
	WL1,	WL2,	WL3,	WL4,	WL5,
	DSLO, PLO,	DSL0, PL0,	DSLO, PLO,	DSL0, PL0,	DSLO, PLO,
	TDB4,	TDB4,	TDB4,	TDB5,	TDB5,
	TDT0, P2,	TDT0, P2,	TDT0, P2,	TDT0, P2,	TDT0, P2,
	E2 and SP1.	E2 and SP1.	E2 and SP1.	E2 and SP1.	E2 and SP1.
s ≤1250 mm, t = 2 mm					
	Sign plate	Sign plate	Sign plate	Sign plate	Sign plate
	and	and	and	and	and
		ana	anna.		
	brackets:	brackets:	brackets:	brackets:	brackets:
	brackets: PAF1,	brackets: PAF1,	brackets: PAF1,	brackets: PAF1,	brackets: PAF1,
		brackets: PAF1, WL2,			
	PAF1,	PAF1, WL2,	PAF1,	PAF1,	PAF1,
	PAF1, WL1,	PAF1,	PAF1, WL3,	PAF1, WL4,	PAF1, WL5,
	PAF1, WL1, DSL0, PL0,	PAF1, WL2, DSL0, PL0,	PAF1, WL3, DSL0, PL0,	PAF1, WL4, DSL0, PL0,	PAF1, WL5, DSL0, PL0,
	PAF1, WL1, DSL0, PL0, TDB3,	PAF1, WL2, DSL0, PL0, TDB3,	PAF1, WL3, DSL0, PL0, TDB3,	PAF1, WL4, DSL0, PL0, TDB4,	PAF1, WL5, DSL0, PL0, TDB4,
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2,
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2,
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2,
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets:
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and
<u>s ≤ 900 mm, t = 2 mm</u>	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL1,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL3,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL4,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL5,
<u>s ≤ 900 mm, t = 2 mm</u>	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL1, DSL0, PL0,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL2, DSL0, PL0,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL3, DSL0, PL0,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL4, DSL0, PL0,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL5, DSL0, PL0,
s ≤ 900 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB1,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB3,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB3,
	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB1, TDT0, P2,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2,	PAF1, WL4, DSL0, PL0, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB3, TDT0, P2,
s ≤ 900 mm, t = 2 mm a ≤ 500 mm, t = 2 mm	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB1,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2,	PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB3,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB3,
	PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB1, TDT0, P2,	PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2,	PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2,	PAF1, WL4, DSL0, PL0, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB3, TDT0, P2,	PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1. Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB3, TDT0, P2,

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 2022-10-10 Page **4** of **13**



Sign, sizes and mounting system		Classification a	ccording to wi	nd load classes	5
$\label{eq:model} \begin{array}{l} \mbox{Protective edge: Minimum aluminium quality:} \\ R_{p0,2} = 200 \mbox{ MPa} \\ \mbox{Brackets: Minimum aluminium quality:} \\ R_{p0,2} = 200 \mbox{ MPa} \\ \mbox{Sign plate: Minimum aluminium quality:} \\ R_{p0,2} = 180 \mbox{ MPa} \end{array}$	Placed in	Placed in	Placed in	Placed in	Placed in
	WL1	WL2	WL3	WL4	WL5
h x b ≤ 1450 x ≤ 650 mm, t = 2 mm	Sign plate	Sign plate	Sign plate	Sign plate	Sign plate
	and	and	and	and	and
	brackets:	brackets:	brackets:	brackets:	brackets:
	PAF1,	PAF1,	PAF1,	PAF1,	PAF1,
	WL1,	WL2,	WL3,	WL4,	WL5,
	DSL0, PL0,	DSL0, PL0,	DSL0, PL0,	DSL0, PL0,	DSL0, PL0,
	TDB4,	TDB4,	TDB4,	TDB4,	TDB5,
	TDT0, P2,	TDT0, P2,	TDT0, P2,	TDT0, P2,	TDT0, P2,
	E2 and SP1.	E2 and SP1.	E2 and SP1.	E2 and SP1.	E2 and SP1.
h x b ≤ 1250 x ≤ 1200 mm, t = 2 mm	Sign plate	Sign plate	Sign plate	Sign plate	Sign plate
	and	and	and	and	and
	brackets:	brackets:	brackets:	brackets:	brackets:
	PAF1,	PAF1,	PAF1,	PAF1,	PAF1,
	WL1,	WL2,	WL3,	WL4,	WL5,
	DSL0, PL0,	DSL0, PL0,	DSL0, PL0,	DSL0, PL0,	DSL0, PL0,
	TDB5,	TDB5,	TDB5,	TDB5,	TDB5,
	TDT0, P2,	TDT0, P2,	TDT0, P2,	TDT0, P2,	TDT0, P2,
	E2 and SP1.	E2 and SP1.	E2 and SP1.	E2 and SP1.	E2 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

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

Version 2022-10-10 Page **5** of **13**



Sign, sizes and mounting system		Classification a	ccording to wi	nd load classes	
Protective edge: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Brackets: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Sign plate: Minimum aluminium quality: $R_{p0,2} = 180 \text{ MPa}$	Placed in WL1	Placed in WL2	Placed in WL3	Placed in WL4	Placed in WL5
h x b ≤ 1250 x ≤ 750 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB5, TDT0, P2, E2 and SP1.
	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.
h x b ≤ 1250 x ≤ 600 mm, t = 2 mm					

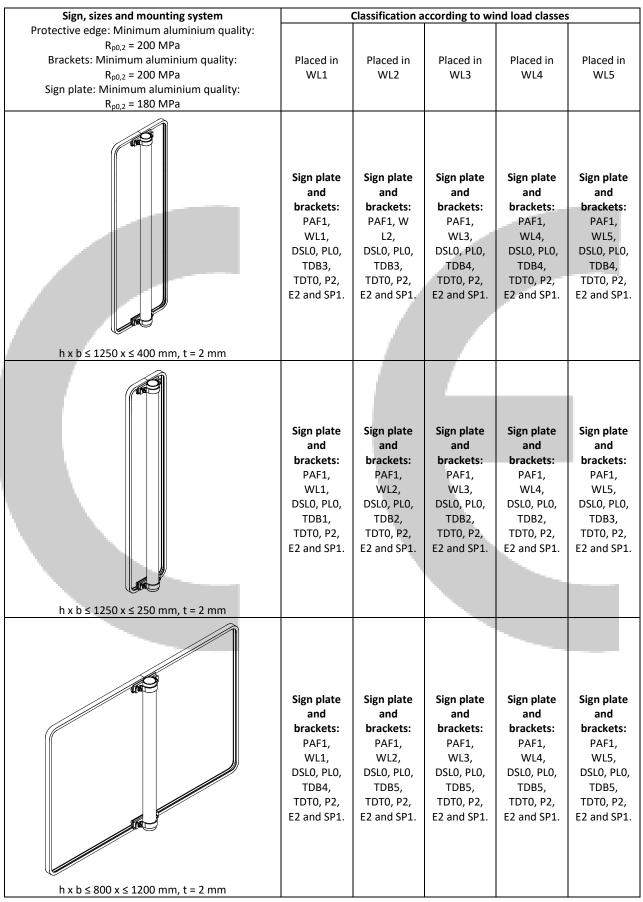
The certificate shall be reproduced in extenso – extracts only with written permission from DBI Certification A/S.



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

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





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 2022-10-10 Page **7** of **13**



Sign, sizes and mounting system		Classification	ccording to wi	nd load classes	:
Protective edge: Minimum aluminium quality:				na ioau classes	
$R_{p0,2} = 200 \text{ MPa}$ Brackets: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Sign plate: Minimum aluminium quality: $R_{p0,2} = 180 \text{ MPa}$	Placed in WL1	Placed in WL2	Placed in WL3	Placed in WL4	Placed in WL5
h x b ≤ 800 x ≤ 750 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.
h x b ≤ 800 x ≤ 600 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.
	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB3, TDT0, P2, E2 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 E-mail: info@dbicertification.dk www.dbicertification.dk Version 2022-10-10 Page **8** of **13**



Sign, sizes and mounting system		Classification a	ccording to wi	nd load classes	5
Protective edge: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Brackets: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Sign plate: Minimum aluminium quality: $R_{p0,2} = 180 \text{ MPa}$	Placed in WL1	Placed in WL2	Placed in WL3	Placed in WL4	Placed in WL5
h x b ≤ 800 x ≤ 250 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB1, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.
h x b ≤ 700 x ≤ 700 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.
J o in t ↓ o in t ↓ b ≤ 700 x ≤ 250 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB2, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB2, TDT0, P2, E2 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

E-mail: info@dbicertification.dk www.dbicertification.dk Version 2022-10-10 Page **9** of **13**



Sign, sizes and mounting system	(Classification a	ccording to wi	nd load classes	;
Protective edge: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Brackets: Minimum aluminium quality: $R_{p0,2} = 200 \text{ MPa}$ Sign plate: Minimum aluminium quality: $R_{p0,2} = 180 \text{ MPa}$	Placed in WL1	Placed in WL2	Placed in WL3	Placed in WL4	Placed in WL5
h x b ≤ 650 x ≤ 1200 mm, t = 2 mm	Sign plate and brackets: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL4, DSL0, PL0, TDB4, TDT0, P2, E2 and SP1.	Sign plate and brackets: PAF1, WL5, DSL0, PL0, TDB4, TDT0, P2, E2 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

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

Version 2022-10-10 Page **10** of **13**



Resistance to horizontal loads	NPD
	To be declared on the support
Resistance to bending	NPD
	To be declared on the support
Resistance to torsion	NPD
	To be declared on the support
Fixings:	Pass.
	The signs, sizes are intended for
	mounting at the top of another
	straight steel pipe. Together the
	signs and the straight steel is the
	support for the sign.
	Glue for fixing the signs into the
	bracket according to DIN 53504:
	Load bearing capacity: \geq 1.5 MPa
	Elasticity moduls: ≥ 0.65 MPa
	Charge on broken: ≥ 1.55 MPa
	Elongation at breaks: ≥ 300 %
	Shore A hardness: ≥ 40
	Themal resistance: -40 to 90°C
	Pressure force for tightening:
	2 kN fot the clamp.
	5 kN for the brackets.
	M8 Screws, nuts and washers are
	minimum A2, class 70 ($f_{y,b}$ = 450
	MPa).
Temporary deflection (supports)	NPD
-bending	To be declared on the support
-torsion	
Permanent deflection	NDP
Performance under vehicle impact	NPD
	To be declared on the support

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



Declarations (Visibility)		Value/description/class/reference
Retroreflective signs:	See relevant ETA's in Annex 2.	PAss
Daylight chromaticity & luminance factor		
Non retroreflective signs: Daylight		NPD
chromaticity & luminance factor		
Retroreflective signs:	See relevant ETA's in Annex 2.	Pass
Coefficient of retroreflection R _A		
Declarations(External illumination)		Value/description/class/reference
Mean illuminance		NPD
Uniformity of illuminance		NPD
Declarations (Durability)		Value/description/class/reference
Impact resistance	See relevant ETA's in Annex 2.	Pass
Sign face material		
Resistance to weatering – sign face	See relevant ETA's in Annex 2.	Pass
material:		
Retroreflective signs		
Resistance to weatering – sign face		Aluminium: None or anodizing 20µm,
material: Non retroreflective signs		nature.
		Srews, nuts, and washers: Min. A2 or FZV.
Corrosion resistence		
Brackets		SP1
		Minimum S235
		Hot dip galavanized according to EN 1461
Srews, nuts and washers		M8: fy,b≥ 450MPa,minimum A2 or FZV SP1
Aluminium plate		SP1 Laquered AL-plate on exposed side if
		any.
Restistence to penetration of dust and		NPD
water		

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 2022-10-10 Page **12** of **13**



Annex 2

TECHNICAL BASIS

Title	Date
Saferoad Daluiso A/S	
Calculation of minor traffic signs (ITC)	
Shapes and sizes for signs without protection edge mounted on brackets made of	f
presharped rectangular steel bars,1 th Edition.	September 2017
3M Advanced Engineer Grade Prismatic 7930	
ETA 16/0006 Version 01	2016-03-03
ETA 17/0465 Version 01	2017-07-26
3M High Intensity Prismatic 3930	
ETA 18/0290 Version 01	2018-06-21
ETA 17/0491 Version 01	2017-07-26
3M Engineering Grade Prismatic 3430:	
ETA 10/0118 Version 02	2016-02-10
ETA 12/0550 Version 01	2018-06-06
3M Diamond Grade DG:	
ETA 18/0405 Version 01	2018-06-21
ETA 17/0490 Version 02	2019-06-05
3M Flexible Engineer Grade Prismatic 7600	
ETA 19/0839 Version 01	2020-04-17

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 2022-10-10 Page **13** of **13**