

Certificate No.: 2531–CPR–CSC10029

Issue date: 2018-11-21



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

Signboards

Scope: Sign plates with sign face materials applied for fixed vertical road traffic signs (ZA5)

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:
Saferoad Daluiso A/S
Hvidkærvej 33
5250 Odense SV
Danmark

and produced in the manufacturing plant:
CPA30003

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: **2018-11-21**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 2018-02-21)

This certificate was first issued 2018-02-21.

A handwritten signature in blue ink, appearing to read 'Per Lyster'.

Per Lyster
Responsible for evaluation

A handwritten signature in blue ink, appearing to read 'Merete Poulsen'.

Merete Poulsen
Responsible for certification decision

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DBI Certification A/S

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

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

The logo for DANAK, featuring a red crown icon above the word 'DANAK' in a bold, sans-serif font. Below it, the text 'Prod. Reg. Nr. 7023' is written in a smaller font.

Prod. Reg. Nr. 7023

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Annex 1

Description and classification:		
Fixings		NPD
Wind actions		NPD
Temporary deflection-bending		NPD
Dynamic load from snow clearance		NPD
Point loads		NPD
Permanent deflection		NPD
Partial safety factor		NPD
Visibility		Value/description/class/reference
Retroreflective signs: Daylight chromaticity & luminance factor	3M Advanced Engineering Grade Prismatic 7930	ETA 16/0006, ETA 17/0465
	3M High Intensity Prismatic 3930	ETA 18/0290
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG	ETA 18/0405
Non retroreflective signs: Daylight chromaticity & luminance factor		NPD
Retroreflective signs: Coefficient of retroreflection R_A	3M Advanced Engineering Grade Prismatic 7930	ETA 16/0006, ETA 17/0465
	3M High Intensity Prismatic 3930	ETA 18/0290
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG	ETA 18/0405
External illumination		Value/description /class
mean illuminance,		NPD
uniformity of illuminance		NPD

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Durability		Value/description /class
Impact resistance Sign face material	3M Advanced Engineering Grade Prismatic 7930	Pass ETA 16/0006 ETA 17/0465
	3M High Intensity Prismatic 3930	Pass, ETA 18/0290
	3M Engineering Grade Prismatic 3430	Pass, ETA 12/0550 Pass, ETA 10/0118
	3M Diamond Grade DG	Pass, ETA 18/0405
Resistance to weatering – sign face material: Retroreflective signs	3M Advanced Engineering Grade Prismatic 7930	ETA 16/0006, ETA 17/0465
	3M High Intensity Prismatic 3930	ETA 18/0290
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG	ETA 18/0405
Resistance to weatering – sign face material: Non retroreflective signs		NPD
Corrosion resistance		Value/description/ class/reference
Aluminum plate		2 mm aluminum plate Minimum $R_{p0,2} \geq 180$ MPa SP1 Lacquered Aluminum plate on exposed side if any
Resistance to penetration of dust and water		NPD

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Annex 2

TECHNICAL BASIS

Title	Date
3M Advanced Engineer Grade Prismatic 7930: ETA 16/0006 ETA 17/0465	2016-03-03 2017-07-26
3M High Intensity Prismatic 3930 ETA 18/0290	2018-06-21
3M Engineering Grade Prismatic 3430: ETA 10/0118 ETA 12/0550	2016-02-10 2018-06-06
3M Diamond Grade DG: ETA 18/0405	2018-06-21

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