

Daloc AB
Box 43
545 21 TÖREBODA

Summary of results

(2 appendices)

Daloc AB have tested and classified the complete door set systems including door leaf, frame and threshold for the two door systems called: “Daloc Steeldoor with acrylic coating” and “Daloc Steeldoor with PVC-lamination”. The testing and classification have been performed in accordance to EN 13501-1 and according to product description EN 14351-2, Clause F.3.1, Testing of individual components.

The classification reports for the two products have the project numbers 2P03205-5 and 2P03205-3 respectively.

This document is a summary of the classification results and the field of application of the results for both of the products.

Yours sincerely,

RISE Research Institutes of Sweden AB
Department Fire Technology - Reaction to Fire Medium Scale Lab

Richard Johansson

Appendices

1. Daloc Steeldoor with acrylic coating
2. Daloc Steeldoor with PVC - lamination

RISE Research Institutes of Sweden AB

Postal address
Box 857
501 15 BORÅS
SWEDEN

Office location
Brinellgatan 4
504 62 Borås
SWEDEN

Telephone / Telefax
+46 10-516 50 00
+46 33-13 55 02

E-mail / Internet
info@ri.se
www.ri.se

Reg.number
556464-6874
VAT number
SE556464687401

Classification and field of application

Classification:

The product "Daloc steeldoor, with acrylic coating" in relation to its reaction to fire behaviour is classified:

A2

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming particles/droplets is:

d0

Reaction to fire classification: *A2-s1,d0*

Field of application:

The classification results are valid for the following product parameters:

Product description, as specified in this report and

- Door leaf – acrylic coating nominal amount $\leq 80 \text{ g/m}^2$.
- Door leaf acrylic coating: All colours.
- Door leaf steel sheet nominal thickness $\geq 1 \text{ mm}$.
- Frame steel sheet nominal thickness $\geq 1.5 \text{ mm}$.
- PUR adhesive $\leq 100 \text{ g/m}^2$.
- Mineral wool density $\geq 100 \text{ kg/m}^3$.
- Frame acrylic coating $\leq 80 \text{ g/m}^2$.
- Frame acrylic coating: All colours.

In addition to the product description the following parts are also valid.

- Sealing strips between door leaf and frame
- Steel threshold without coating or with frame acrylic coating $\leq 80 \text{ g/m}^2$.
- Mechanical sealing threshold at the bottom of the door leaf, made of an aluminium profile and silicone sealing strip.

The classification results are is valid for the following end use conditions:

Orientation:

The classification is valid for both inside and outside door set side.

Mounting:

Free standing mounting.

Classification and field of application

Classification:

The product "Daloc steeldoor, with PVC-lamination" in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming particles/droplets is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation product is:

Reaction to fire classification: *B-s2,d0*

4.3 Field of application:

The classification is valid for the following product parameters:

Product description, as specified in this report and

- PVC – lamination coating nominal amount $\leq 202 \text{ g/m}^2$.
- PVC – lamination colours: All colours.
- Door leaf steel sheet nominal thickness $\geq 1 \text{ mm}$.
- Frame steel sheet nominal thickness $\geq 1.5 \text{ mm}$.
- PUR adhesive $\leq 100 \text{ g/m}^2$.
- Mineral wool density $\geq 100 \text{ kg/m}^3$.
- Frame acrylic coating $\leq 80 \text{ g/m}^2$.
- Frame acrylic coating: All colours.
- Glass fibre or wooden threshold in accordance with 2.2 in this report.

In addition to the product description the following parts are also valid.

- Sealing strips between door leaf and frame.
- Steel threshold without coating or with frame acrylic coating $\leq 80 \text{ g/m}^2$.
- Mechanical sealing threshold at the bottom of the door leaf, made of an aluminium profile and silicone sealing strip.

The classification is valid for the following end use conditions:

Orientation: The classification is valid for both inside and outside door set side.

Mounting: Free standing mounting.