REPORT
issued by an Accredited Testing Laboratory

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SWEDAC ACKREDITERING 1002 ISO/IEC 17025

EINGEGANGEN
29. Okt. 2014
am .....

Sommer Antriebs- und Funktechnik GmbH
Hans-Böckler-Str. 21-27
D-73230 Kirchheim/Teck
Tyskland

Determination of resistance to wind load according to EN 13241-1

(1 appendix)

Test object

Client:	SOMMER Antriebs- und Funktechnik GmbH
Product name:	DOCO SFR Tecsedo
Type of door:	Sectional, overhead door
Daylight size:	Width 6000 mm, Height 3000 mm

The door was supplied and installed by the client in the opening of an airtight chamber, with its exterior facing inwards towards the chamber, see description and pictures in appendix 1.

During the tests was a simulated door operator connected to the top panel.

Test procedure

The door was tested in accordance with EN 12444 in an air pressure chamber. Before the test measures were taken to minimize air leakage in the door and its supporting construction. The air pressure in the test chamber was increased in steps in accordance with the different classes given in EN 12424.

The test was carried out in accordance with EN 12444.

Test results

After the inner pressure step of 770 Pa was the reinforcements on the panels deformed and the screws to the reinforcement have started to come loose.

No visible deformations were noted at pressure step, 620 Pa.

Classification according to EN 12424: Class 2

Conditions of test

The test results refer only to the tested object.

Date of test:	2014-09-15
Place of test:	SOMMER test site in Kirchheim/Teck, Germany
Equipment used:	Measuring equipment no. 202429
Estimated error margin:	Air pressure difference ±2 %
Ambient climate:	Air temperature 20 °C

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Performed by

Roger Davidsson

Examined by

Börje Gustavsson

Appendix
1: Description and figures of the test object.

Appendix 1

Description and figures of the door

Manufacturer of the door	DOCO
Product name	Garage door DOCO SFR
Type of door	Overhead, sectional door
Daylight size (wxh)	6000 mm x 3000 mm
Producer and type of panel	Tecsedo, fingersafe, residential
Total thickness of panel	40 mm
Thickness of sheet in panel	Outside 0,6 mm / inside 0,45 mm
Type of tracks	DOCO SFR
Type of side hinges	DOCO 25734
Type of slide/roller	DOCO 25011-E
Type of intermediate hinges	DOCO 25733
Type of bottom bracket	DOCO 25056/57
Type of top sealing	DOCO 24740 series
Type of side sealing	DOCO 24740 series
Type of bottom sealing	DOCO 825100
Type of reinforcement on the panel	DOCO 220900

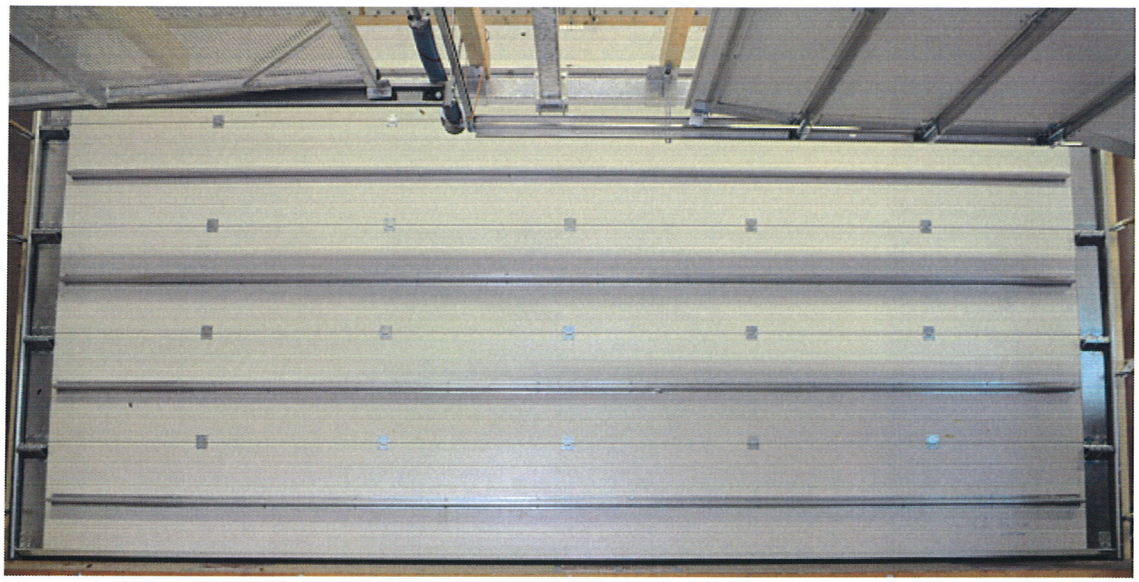

Figure 1. Door type DOCO SFR Tecsedo, mounted in the test rig, as seen from inside.

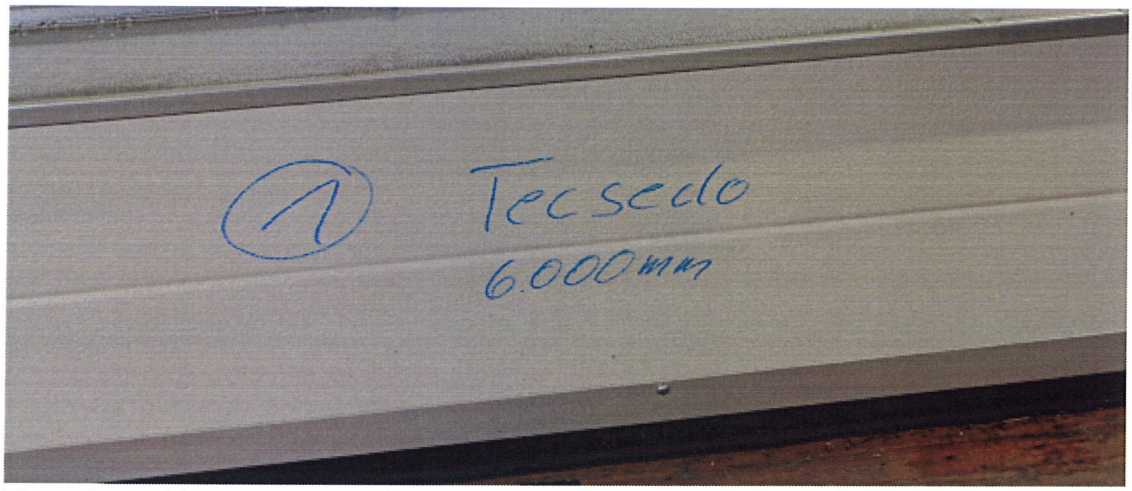

Figure 2. Marking on the test object.

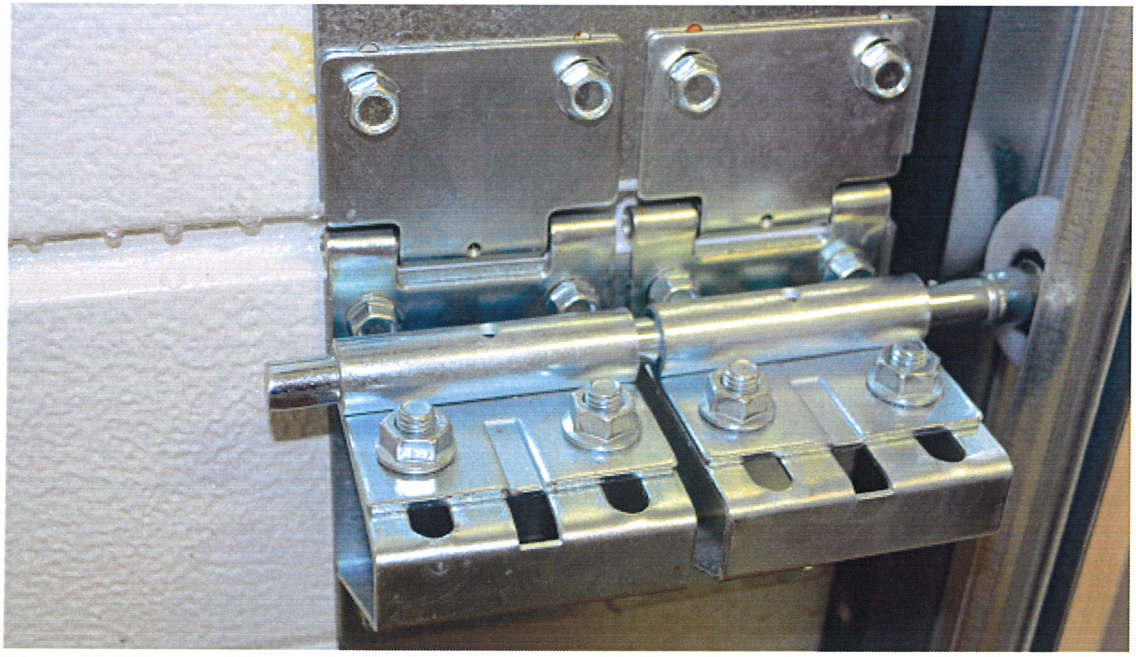

Figure 3. Hinges, slides and roller.

Figure 4. The bottom bracket.

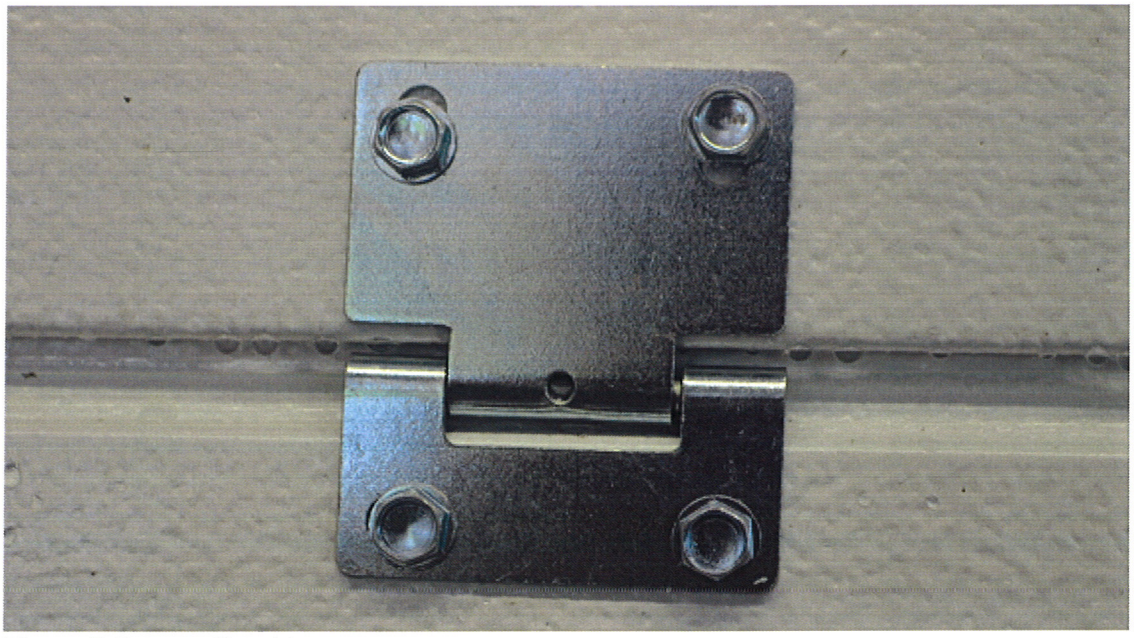

Figure 5. Intermediate hinge.

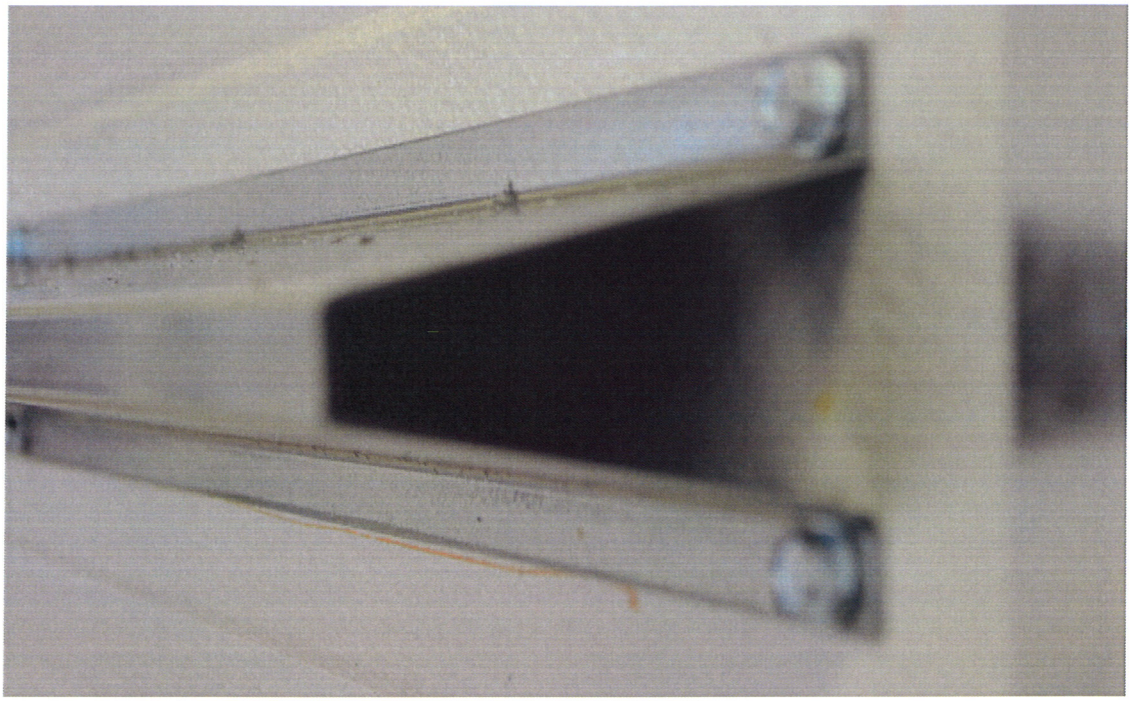

Figure 6. Reinforcement.

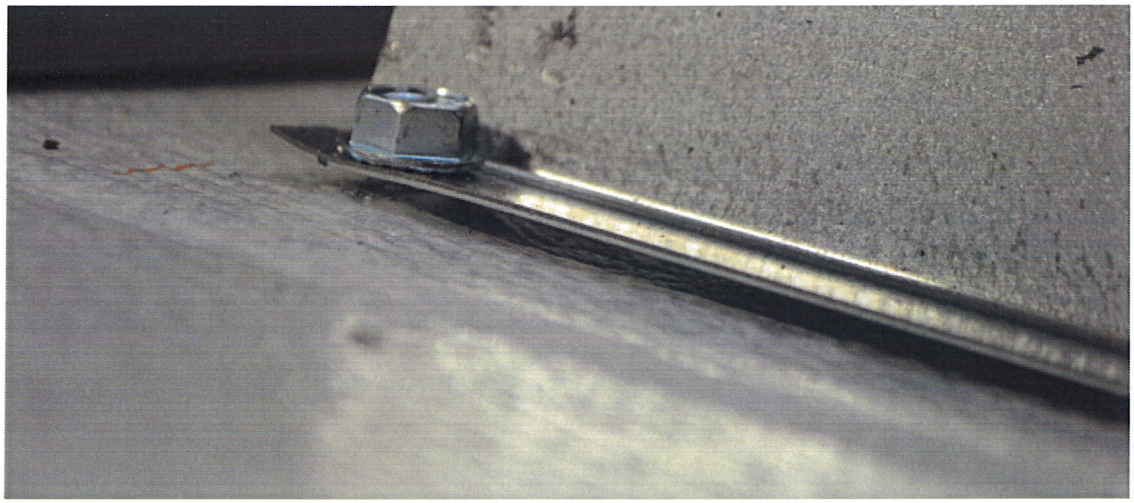

Figure 7. The screws to the reinforcement have started to come loose after pressure step at 770 Pa.