

SWEDISH TECHNICAL APPROVAL

0240/08

and decision on production control in accordance with chapter 8, 22 and 23 §§ Planning and Building Act (2010:900), PBL

Security door type S44, D44 and Y44

1 Appendix

Holder	Daloc AB, Box 43, SE-545 21 Töreboda Tel: +46 506 190 00, fax: +46 506 191 19, E-mail: daloc@daloc.se, Internet: www.daloc.se, VAT number: 556239-8239
Product	Security door type S44, single leaf door made of steel with insulation of rock wool, threshold made of wood or steel, maximum size W×H 1300×2300 mm or 1200×2500 mm, A30/EI30/A60/E 60/A 90*, R'_{w} 35/40*dB, S_a/S_m *. Security door type D44, single leaf door made of steel with cladding in accordance with drawing, insulation of rock wool, threshold made of wood or steel, maximum size W×H 1300×2300 mm or 1200×2500 mm, EI30*, R'_{w} 35/40*dB, S_a *. Security door type Y44, single leaf door made of steel with insulation of rock wool, threshold made of wood or steel, maximum size W×H 1300×2300 mm or 1200×2500 mm, A30/EI30/A60/E 60/A 90*, R'_{w} 35/40*dB, S_a/S_m *.
Intended use	Fire separating, sound insulating and/or smoke control door in buildings. Entrance door to homes.
Trade name	Daloc S44, D44, Y44
Approval	The products satisfy the requirements set forth in chapter 8, 4 § 2 and 5 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of the Building Regulations (BBR), issued by the National Board of Housing, Building and Planning and regulations:

Fire-resistance class EI 30/E 60*	5:231
Fire-resistance class A 30/A 60/A 90*	5:2311, second paragraph
Doors in Fire-class A may be used in fire cell boundaries where the requirement is EI with corresponding time requirement**	5:534
Smoke leakage class S_a/S_m * acc. to SS-EN 13501-2	5:231
Airborne sound insulation class R'_w 35/40*dB acc. to SS 25267	7

* For design and maximum size see “product information for door type S44, D44 and Y44”.

** A door with fire class A 30 may be used in fire cell boundaries where the requirement is EI 30, a door with class A 60 may be used where the requirement is EI 60 and a door with class A 90 may be used where the requirement is EI 90.

Associated documents	Assembly instructions for frame type 41, 42 and 44-49, MK 4142, dated 1310. Assembly instruction for sealing strip, MK TÄTN.LIST, dated 1309.
Control	Production control is to be performed in accordance with instructions for control dated 3 September 2010. An independent inspection body audits the control. Control agreement: Ref no.210-96-0754 Inspection body: SP Technical Research Institute of Sweden.

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this certificate is based.

Manufacturer	Production control includes the following site: Daloc AB, Töreboda
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Marking	The products are to be marked at the factory. The marking consists of a sign on every product supplied and includes:
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Approval holder/ Manufacturing site	Daloc AB, Töreboda
Boverket's registered trademark	†
Certification body and accreditation number	SITAC 1002
Product type designation	e.g. S44, D44 or Y44
Approval number	0240/08
Properties	e.g. EI 30/R'_w 35/S_m*
Consecutive manufacture No./date of production	No/date
Inspection body	SP

Basis for approval	<p>Reports Nos. 94R12518, 96R12831, 97R12912, 99R13269, P800158A, 98F34090F and G, P304456-E, P401630-B, P500816B, P504718D and F P601728, P801784-A, -B and -C, P603466A and B, assessment P705019 and P805314B from SP Technical Research Institute of Sweden and report RTE 823/04 from Technical Research Centre of Finland (VTT).</p> <p>Drawings according to “List of drawings for Security door S44, D44, Y44” dated 4.12.2008.</p>
Comments	<p>Assembly instruction is to be enclosed to every door delivered.</p> <p>When the door is marked with only fire technical properties and/or smoke leakage class S_a, it can be performed without threshold and with a gap of maximum 18 mm at the base to the floor. This is not valid for doors facing a stairwell</p> <p>For door Y44, the holder of this certificate shall be able to show documentation that verifies relevant characteristics according to appendix ZA in EN 14351-1.</p> <p>This approval supersedes the previous certificate with the same number dated 4 December 2008 and with project number T800240.</p>
Period of validity	<p>This approval is valid until 11 October 2018.</p> <p>The validity of this approval expires when the product shall be CE-marked concerning resistance to fire and/or smoke leakage according to the Construction Products Regulation (EU) 305/2011.</p>

Johan Åkesson

Magnus Sturesson

Product information for door type S44, D44 and Y44

Sealing strips made of EPDM-rubber or silicone type D, V or O, is to be fitted in doors with a sound insulation classification.

Sound insulation Class R'_w 35dB also applies for doors with drivable sill and sealing strip of rubber 18 x 16 mm.

Sound insulation Class R'_w 40dB is only valid for doors with double sealing strips.

Sound insulation Class R'_w 40dB is also valid for doors with door peephole, doorbell and extra lock acc. to drawing.

Smoke leakage class S_a/S_m is valid for single leaf doors with O-strip of silicone mounted in the frame. For class S_m the threshold is supposed to be a drivable sill with sealing strip of rubber, a threshold made of steel with a D-strip or a threshold made of wood with D-strip or O-strip.

Single leaf doors

Fire-resistance grade A 60/E 60/A 90 maximum size 1300×2300 or 1200×2500 mm. Not wooden threshold.

Fire-resistance grade EI 30 maximum size 1300×2300 or 1200×2500 mm.

Smoke leakage class S_a/S_m maximum size 1300×2300 mm.