



Swedish Institute for Technical
Approval in Construction



English version

2005-09-30

Project no.: T000906-01

SWEDISH TECHNICAL APPROVAL 0790/96

and decision on production control in accordance with 18-20 § Law (1994:847) on technical specification requirements for construction work, etc., BVL

KEYWORDS: DOORS AND WINDOWS

Doors, other

HAHN AUTOMATIC SEALING CILL MK-N, DL-N 401 and DL-N 402

Holder	Hahn GmbH & Co. KG, Dr., Box 400109, DE-411 81 Mönchengladbach, Germany, phone: +49-2166 954-3, fax: +49-2166 954 444.	
Information provided by	Peter Stenberg, Skårsvägen 104, SE - 441 44 Alingsås, phone: 0322-156 99, fax. 0322-158 17	
Product	HAHN Automatic sealing cill MK-N, DL-N 401 and DL-N 402	
Intended use	Sealing cill MK-N, fire separation cill, used together with type approved metal/plastic doors with at least the same fire classification as Sealing cill MK-N.* Sealing cills DL-N 401 and DL-N 402, fire separating and noise insulating sealing cills, are used together with type approved wood/steel doors whose sound and fire resistance classification is not less than sealing cill DL-N 401* or DL-N 402.* * Please refer to the appendix; Requirement specification for doors and sealing cills for each noise and fire resistance class.	
Trade name	HAHN Sealing cill MK-N, DL-N 401 and DL-N 402	
Approval	The products as above satisfy the requirements set forth in 2 § 2 and 5 BVL, in respect to and under conditions stated in this certificate, and are therefore is approved in accordance with the provisions of the following sections of the Building Regulations issued by the National Board of Housing, Building and Planning (<i>BBR</i>) and of Construction Regulations issued by National Board of Housing, Building and Planning (<i>BKR</i>):	
	Fire classification EI 60*	5:22
	Insulation against air-borne noise R'_w 35 dB *	7
	* Please refer to the appendix; Requirement specification for doors and sealing cills for each noise and fire resistance class.	



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Certificate no. **0790/96**

Appurtenant documents	Brochure "HAHN Automatic sealing cill MK-N - For inner and outer doors, metal and plastic" dated 7.91 (10 pages). Brochure "HAHN Automatic sealing cill DL-N - For inner and outer doors, dated 7.91 (10 pages) updated 2000-08-08.
Control	Production control is to be performed in accordance with instructions for control dated 11.08.00 and Ref. No.: 82-0790/96. An independent third-party body, MPA NRW audits the control. 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 requirements stated in the approval and the appurtenant 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 regulations include the following site: Dr. Hahn GmbH & Co. KG, Mönchengladbach, Germany
Marking	The product is to be marked at the factory. The marking consists of a label on every product supplied and includes: Manufacturer's name and site of manufacture Dr. Hahn GmbH & Co. KG, Mönchengladbach, Germany Boverket's registered trademark † SITAC's accreditation number SITAC 1422 Product type designation e.g. DL-N 401 Approval certificate number 0790/96 Fire protection/sound insulation properties, e.g. EI 60/R_w 35 dB Consecutive manufacture No or date of production no./date Inspection body MPA NRW
Basis for approval	Report nos. 96F32609, P105215, P403518 and P101453C, P101894 and 00F34874D from SP Swedish National Testing and Research Institute.
Comments	Relevant appurtenant documents shall be included with every sealing cill delivered. This approval supersedes the previous certificate with the same number dated 2000-09-20 and project number T 000906 and certificate 0201/01 with project number T 100201 dated 2002-06-14.
Period of validity	This approval is valid until 2010-09-29.

Johan Åkesson

Ingvar Pettersson



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Appendix to certificate 0790/96

Requirement specification for doors and sealing cills for each noise and fire resistance class.

Sealing Cill Hahn DL-N 401

The following requirements apply to products with fire classification not exceeding EI 30 and noise classification not exceeding R'w 30 dB and R'w 35 dB

Used together with type approved wood/steel doors with fire classification not less than the sealing cill.

For **R'w 35 dB**: Used together with type approved wood doors with noise classification not less than R'w 40 dB.

For **R'w 30 dB**: Used together with type approved wood/steel doors with noise classification not less than R'w 30 dB.

The distance between the underneath side of the door blade and the finished floor must not exceed 18 mm.

The following requirements apply to products with fire classification not exceeding EI 60 and not exceeding noise classification R'w 35 dB:

Used together with type approved wood/steel doors with fire classification not less than the sealing cill.

For **R'w 35 dB**: Used together with type approved wood doors with noise classification not less than R'w 40 dB.

For **R'w 30 dB**: Used together with type approved wood/steel doors with noise classification not less than R'w 30 dB.

The distance between the underneath side of the door blade and the finished floor must not exceed 8 mm.

The underneath side of the door blade must be provided with a moulding that swells in fire.

Sealing Cill Hahn DL-N 402

The following requirements apply to products with fire classification not exceeding EI 60 and not exceeding R'w 30 dB and 35 R'w dB

Used together with type approved wood/steel doors with fire classification not less than the sealing cill.

For **R'w 35 dB**: Used together with type approved wood doors with noise classification not less than R'w 40 dB.

For **R'w 30 dB**: Used together with type approved wood/steel doors with noise classification not less than R'w 30 dB.

The distance between the underneath side of the door blade and the finished floor must not exceed 18 mm.

The sealing cill must be provided with a moulding that swells in fire

Sealing Cill Hahn MK-N

The following requirements apply to products with fire classification not exceeding EI 60

Used together with type approved metal/plastic doors with fire classification not less than the sealing cill.

The distance between the underneath side of the door blade and the finished floor must not exceed 15 mm.

In case of doubt the Swedish language original should be consulted as the authoritative text.