SKAMOTEC 225

Ultra Lightweight
Calcium Silicate Boards

Fireplace
Building Boards

skamol

Skamol A/S · Østergade 58-60 · DK-7900 Nykøbing Mors · Phone +45 9772 1533 · Fax +45 9772 4975
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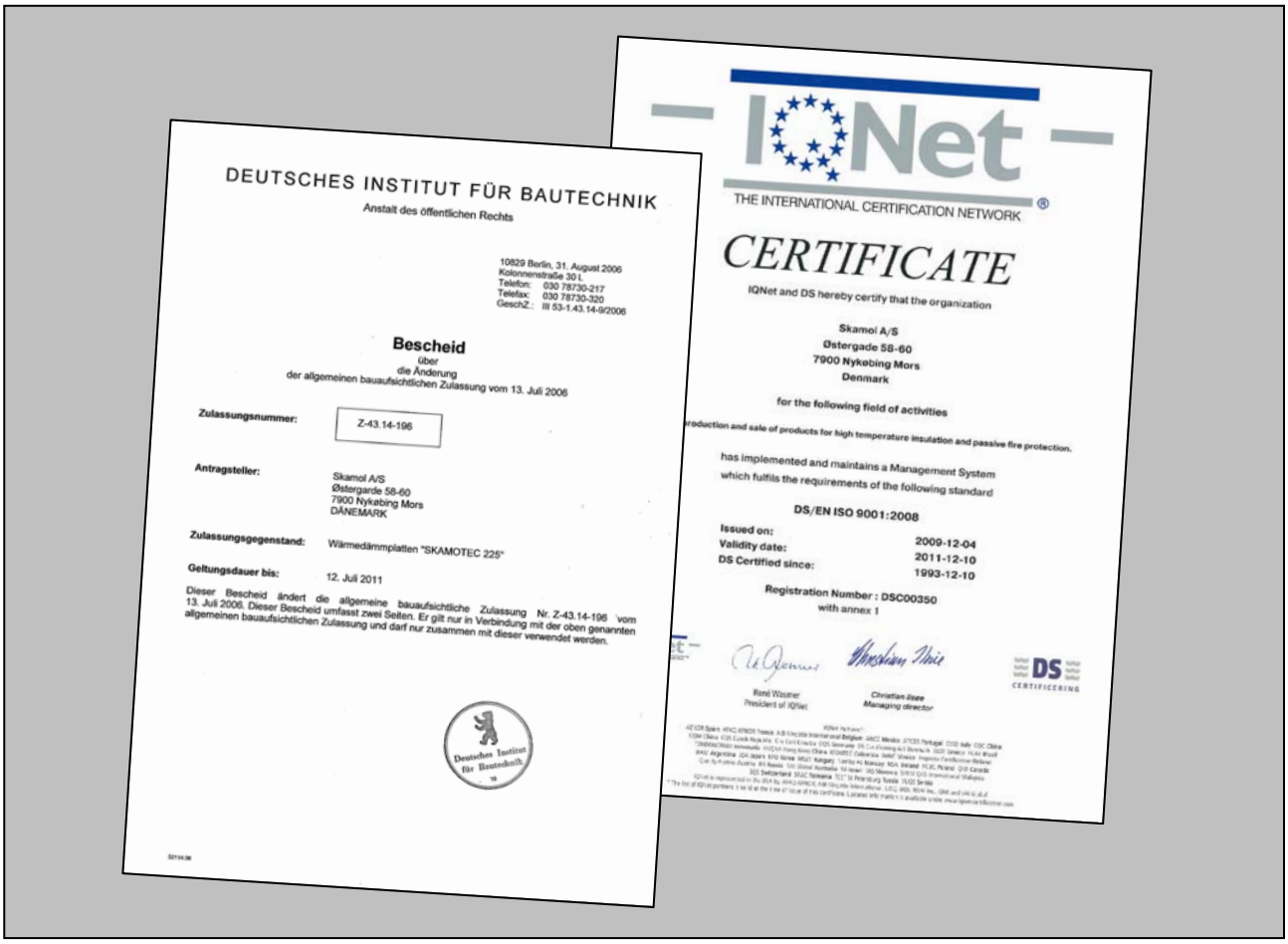
Tests and certificates



DEUTSCHES INSTITUT FÜR BAUTECHNIK
Anstalt des öffentlichen Rechts

10829 Berlin, 31. August 2006
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Gesch.Z.: III 53-1.43.14-9/2006

Bescheid
über
die Änderung
der allgemeinen bauaufsichtlichen Zulassung vom 13. Juli 2006

Zulassungsnummer: Z-43.14-196

Antragsteller: Skamol A/S
Østergarde 58-60
7900 Nykøbing Mors
DÄNEMARK

Zulassungsgegenstand: Wärmedämmplatten "SKAMOTEC 225"

Geltungsdauer bis: 12. Juli 2011

Dieser Bescheid ändert die allgemeine bauaufsichtliche Zulassung Nr. Z-43.14-196 vom 13. Juli 2006. Dieser Bescheid umfasst zwei Seiten. Er gilt nur in Verbindung mit der oben genannten allgemeinen bauaufsichtlichen Zulassung und darf nur zusammen mit dieser verwendet werden.

Deutsches Institut für Bautechnik

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and DS hereby certify that the organization

Skamol A/S
Østergade 58-60
7900 Nykøbing Mors
Denmark

for the following field of activities

production and sale of products for high temperature insulation and passive fire protection.

has implemented and maintains a Management System
which fulfils the requirements of the following standard

DS/EN ISO 9001:2008

Issued on: 2009-12-04
Validity date: 2011-12-10
DS Certified since: 1993-12-10

Registration Number : DSC00350
with annex 1

René Wasmer
President of IQNet

Christian Ibsen
Managing director

DS CERTIFICERING

Non-combustible material
Approval No. Nr. Z-43.14-196

Skamol A/S
ISO 9001:2008

Summary from the tests

Characteristics	Value
Thermal conductivity	0.06 W/mK
Density	225 kg/m^3 ± 10%
Compression strength	2.4 MpA
Steam penetration μ - S_d	2.5 – 0.06 m
pH value (10 g material – 100m ml water)	10.3

Local building and fire regulations must be observed

For information regarding applicable fireplace installation and fire regulations, please contact your local fireplace builder, chimney sweep or chimney lining specialist.

SKAMOTEC 225

Fireplace Building Boards

Tested according to EN ISO 1716

Facts

- Lightweight
- Non-combustible
- High pH value
- High insulating factor
- High product stability

Benefits

- Easy installation
- Easy to obtain a good finish
- Non-dusting surfaces
- Fire protection
- Meets the highest environmental, health and safety requirements
- Easy to shape with ordinary woodworking tools

Fireplace Building Boards

SKAMOTEC 225 provides total fire protection for the building and construction industry, and is specially designed for building fireplace surrounds.

Product Data

Product name	Dimensions	Thickness	Bulk density
SKAMOTEC 225	610 x 1000 mm	25 – 100 mm	225 kg/m^3
	1220 x 1000 mm		
	1220 x 2040 mm	25 – 60 mm	
	1220 x 2440 mm		

Decorative finish

The finished construction can be decorated with paint, glass fibre fabric or other surface material to match the surroundings.

Mounting advice

SKAMOTEC 225 boards are lightweight and easy to cut enabling you to create the custom fireplace of your choice. The material is class A1 non-combustible, it contains no ceramic fibres and the surfaces are dust-free.

The following information is meant as a guidance and as general advice for fireplace builders:

Mounting a new fireplace with SKAMOTEC 225 boards:

- Ordinary woodworking tools can be applied.
- Use a 3M dustmask when cutting.
- Pre-drill the screw holes and assemble with large thread wood screws.
- Allow for ventilation clearance at the top and bottom of the construction to utilize the heat from the chimney and to avoid overheating inside the construction. See Fireplace manufacturer's manual for detailed instructions.
- If the construction is placed against an inflammable wall, make sure the required ventilation distance is observed according to the approval applying to the particular fireplace. Ventilation is VERY important.
- Plaster the surfaces with a gypsum based filler.
- Before applying the final finish, the surfaces should be primed with building silicone to prevent glue or paint from drying out too quickly.
- Do NOT use organic material in the construction and surface treatment, as this may cause bad smell or vapours when the fireplace is heated.
- For large fireplaces we recommend using steel frame partitions.
- For ventilation and expansion purposes, leave a gap of 2.5 cm all the way around the fireplace insert.

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