

Energy class **A**

Energy class **B**

Energy class **C**



WINDOWS • EXTERIOR DOORS • INTERIOR DOORS • PATIO DOORS

Skaala Door Book



Contents

Make a beautiful high-quality home come true.....	2
Skaala – A pioneer within energy economics.....	3
Create an astonishing appearance without effort!.....	4
The Skaala collections.....	5
Skaala Skandia	6
The Skandia collection exterior doors.....	8
The Skandia collection terrace doors.....	12
The Skandia collection interior doors.....	14
Skaala Tradia	20
The Tradia collection exterior doors.....	22
The Tradia collection terrace doors.....	26
The Tradia collection interior doors.....	28
Aluminum-coated terrace doors.....	34
Patio doors.....	36
Special doors.....	38
Pattern glass.....	40
Collection Matrix.....	41
A pioneer within energy economics.....	42



Skaala – a sensible choice

Skaala Windows and Doors Ltd is a Finnish company specialised in manufacturing and supply of complete solutions for doors and windows and was established in 1956. Over the years Skaala has grown from being a local carpenter company to becoming one of the most influential, Nordic manufacturers in the business. Skaala has a large share on the domestic market and exports products to the other Nordic countries, Great Britain and Russia.

Make a beautiful high-quality home come true

In the eyes of the designer the door adds the finishing touch to a house. The door makes the architectural look complete and creates an individual style. The exterior door is an element of the facade which you often wish to emphasize.

The door is the trademark of the house. It tells something about the inhabitants and creates an image of the lives lived in this house. To the inhabitants of the house the door wishes them "Welcome home", to the visitor it is an invitation to come on in, but it also fills the function of dismissing any unwanted visitors. The atmosphere and the look are most important when constructing the identity of one's home.

A door is also a utility article that must withstand hard duty, be weatherproof and ensure domestic peace.

In times past the front door of a building had a special significance. It was often an ornate proof of wood carving craft, individual and unique. Modern doors, however, should be a result of technical knowhow from various fields. Differences in quality can be measured in features such as durability, safety, service guarantee, density and effective thermal and sound insulation. When delivering specially designed doors which deviate from standardized production, it is vital that the technical quality corresponds to the requirements. A functional quality assurance guarantees that the qualities are attained as promised.

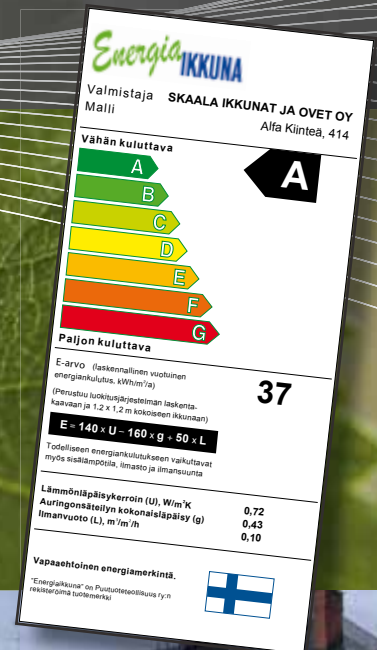
In a good door the pure architectural look is combined with individuality and durable technical quality.

Kaisa Vepsäläinen

Architect, SAFA

Skaala

– A pioneer within energy economics.



The Skaala collections are energy effective

Skaala is a renowned pioneer when it comes to energy efficient solutions. Our entire window collection has been divided into the official energy classes. Our door collection has been developed and built to correspond to the window energy classes *). Now builders and redecorators are able to choose a complete energy efficient solution, which also matches the style of the apartment or house.

*) The official energy classification system in Finland so far covers only the window products.

Windows and doors for old and new buildings – and in different styles

We provide solutions for everything from delivery of a single product to Keys-in-hand delivery of all the doors and windows needed for a house. New elements that we have promoted strongly are industrial design and the collection concept. As a result from our development we are proud to offer our clients consistent and matching product combinations as well as collections well-suited for the customers' homes.

Environment and safety are important issues

Taking care of safety and the environment is truly a part of our daily routine. By safety we naturally mean both the occupational safety of our employees and the user safety of our products. For the environmental part we run a unique Green Field & Factory program, which is aimed to create an operating environment that causes as little carbon emissions as possible – from production to recycling.

Our products are environmental friendly and energy efficient

Skaala window and door products are sustainable investments for decades to come. They require only a little maintenance effort, increase the comfort of living and – as very energy efficient products – decrease the energy consumption of heating.

Certified quality management standards ensure a controlled development of operations:

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- OHSAS 18001 Occupational Health and Safety System

A unique set in the business.

Welcome to the versatile Skaala!



Create an astonishing appearance without effort!

Our window and door collections reflect some of the most popular traits in contemporary and traditional design and provide you with guidelines when selecting doors and windows for your home. The collections have been customized for certain architectural characteristics and make it easy to find an appropriate solution. Our three extensive collections and our made-to-measure service, which manufactures special orders, smoothly attend to the needs of every builder and redecorator.

Our collections present high-quality windows, exterior, terrace, interior and patio doors which match different architectural styles and interior decorations. The collections are so comprehensive that we can guarantee that our customer service can help you find and manage a suitable solution. As a builder or redecorator you can effortlessly create a tasteful solution based on our collections.

High technical quality – without compromising style

Usability, energy economy and environmental friendliness play an important part in the Skaala products. The significant environmental requirements are filled without compromising style. In Skaala's new Door Book you can observe how we have revolutionized the way of thinking in the entire trade by creating comprehensive and distinct collections. To this day our operations are based on the carpenter's principle of made-to-measure orders; for this our company has been recognized for more than 50 years. Nowadays the made-to-measure service at Skaala has expanded to industrial proportions and we are able to take advantage of high-quality materials and the most recent methods. At the same time design and the collection concept have become a crucial part of our operations. The designers at Skaala appreciate the relevance of their work.

Welcome to Skaala!
We make it happen.

Panu Turunen

Design Manager
Skaala Windows and Doors Ltd

Demand the best service
from professional
designers and builders



Skaala Product Range

Choose your style

Skaala's range of door products is divided into two main collections. The collections are designed to reflect the most common types of architectural looks and styles. This way choosing the right door is easier and simple. Whether you need an interior or exterior door, it is still a long-term investment. Therefore, it is not all the same how the door looks or what kinds of materials are used.

By selecting a Skaala door, you can be confident that your door is durable, and the design fits in the architecture and style of your home.

Skaala products are very energy friendly even with a standard structure. If you need the top performance you can have an exterior door with special low energy structure. This Alfa-class structure has an energy consumption level equal to our top window products. Every Skaala door is a tailor-made product regardless of the size of the order.

Take a look at our collections and find a door design that suits your style and needs.

Skaala **Skandia**



Linear functionality



Skaala **Tradia**



Timeless design



Skaala Skandia





Skaala Skandia
– for a bright
and stylish home

Skaala Skandia



Skaala Skandia exterior doors

Skaala Skandia exterior doors have been designed to match modern, linear architecture and the distinguished, clean details create an elegant whole. The doors in the collection insulate sound efficiently and are available with both veneered and painted surfaces. You can choose between numerous painted tints and can select the exact kind of finish you would like on your door. The painted doors are delivered with a quality wood frame which is free of knots and has been painted in the same tint as the door. There are also many different kinds of glass. Every door model is available with matching fixed or operating sidelights.

The doors in the Skaala Skandia collection can be ordered with class Alfa or Beeta qualities. All doors in the Alfa class have a low energy structure which considerably improves the thermal insulation. The exterior doors in class Alfa are delivered with a cover plate which protects the surface of the door. The plate is installed around the key cylinder and the lever handle. Cylinder and handle are not included in the standard delivery. In addition, the door frames for unpainted doors in class Alfa are always made from the same type of hardwood as the door. From the Skaala Collection Matrix you can see which options and qualities the different classes have to offer. Please familiarize yourself with the Collection Matrix on page 41 in this Door Book.



UO 113 S Teak



UO 115 S



UO 114 S



UO 105 S Teak



UO 108 S



UO 109 S

Recommended tints and veneers

red
RAL 3001
NCS S 2570-Y90R

blue
RAL 5019
NCS S 4055-B

green
RAL 7034
NCS S 5010-G90Y

grey
RAL 7024

grey
RAL 7040

white
RAL 9010
NCS S 0502-Y

Teak

Oak

You can always select a door in any tint you like according to the RAL and NCS colour charts.

As standard the doors are delivered without a lever handle.

Standard glazing: Satinbel

Please note! Check available glazing in over- or special-sized doors and sidelights.

NEW! Skaala Security Lock safety locking system now available in all Alfa-class exterior doors.

Skaala Skandia



UO 101 S
embossed



UO 102 S
embossed



UO 103 S
grooved



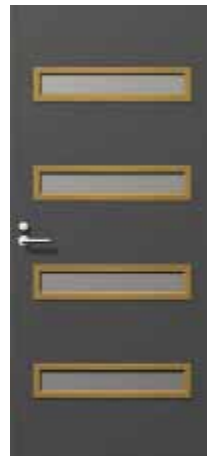
UO 104 S
grooved



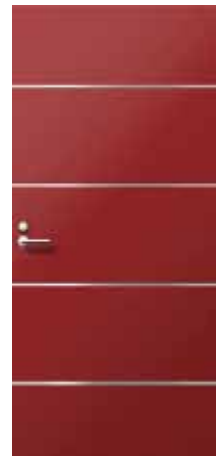
UO 106 S, teak
grooved



UO 107 S



UO 108 S
oak laths



UO 110 S
RST-laths



UO 111 S
embossed



UO 112 S
RST lath



UO 113 S
oak



UO 114 S
embossed



UO 116 S
oak laths



OKL 1 S



OKL 2 S



OKL 2 S
oak



OKL 4 S
RST
laths



OKL 5 S
oak
laths



OKL 6 S
oak
laths



OKL 7 S
oak
laths



OKL 8 S
oak
laths



OKL 9 S
oak
laths

Please note that the standard laths for the glass openings are the same colour as the door.
If you would like oak laths, you must mention this specifically when placing your order.

Skaala Skandia



Skaala Skandia terrace doors

The linear design of the terrace doors naturally matches the exterior doors and windows in the Skaala Skandia collection.



IO 57 S



DIO 57 S



IO 57 KS



DIO 57 KS

Recommended tints and veneers

red
RAL 3001
NCS S 2570-Y90R

blue
RAL 5019
NCS S 4055-B

green
RAL 7034
NCS S 5010-G90Y

grey
RAL 7024

grey
RAL 7040

white
RAL 9010
NCS S 0502-Y

Teak

Oak



You can always select a door in any tint you like according to the RAL and NCS colour charts.

Skaala Skandia



Skaala Skandia interior doors

The straight grooves, sidelights and metal laths represent Scandinavian design. The doors' durable and soundproof structure increases the comfort both in the home and in public spaces. The soundproof decibel structure effectively keeps noise from reaching the bedroom or study. You can always choose interior doors for a single room and according to usage. Among the interior doors you will also find impressive double doors. You can choose between several different veneers and tints which match your interior decoration.

-  Available as soundproof decibel door
-  Available as dividing fire door

Recommended tints and veneers

red
RAL 3001
NCS S 2570-Y90R

blue
RAL 5019
NCS S 4055-B

green
RAL 7034
NCS S 5010-G90Y

grey
RAL 7024

grey
RAL 7040

white
RAL 9010
NCS S 0502-Y

Eben (stained oak)

Wenge

Hazelnut

Antique (stained oak)

Cherry (stained oak)

Oak

White varnished oak

Ash

Birch



SO 101 S eben



SO 104 S eben
interior decoration laths



SO 102 S
interior decoration laths



SO 107 S hazelnut
frame construction



SO 108 S hazelnut
frame construction



SO 105 S
frame construction

Please note! Standard glazing depends on the door model.

Skaala Skandia



SO 101 S



SO 101 S V oak



SO 101 S oak



SO 102 S hazelnut
interior decoration
laths



SO 103 S
grooved



SO 104 S hazelnut
interior decoration
laths



SO 105 S
frame construction



SO 105 S white varnished
frame construction



SO 106 S eben
interior decoration laths,
frame construction



SO 107 S
frame construction



SO 108 S
frame construction



SO 108 S oak
frame construction



SO 109 S hazelnut



SO 110 S
grooved



SO 111 S
grooved



SO 102 S
interior decoration
laths

Skaala Skandia



SKANDIA EXTERIOR DOORS

Construction

The door leaf has a symmetrical structure which is reinforced with sheets of aluminum. The thickness of the door leaf is 75 mm in Alfa class, and 62 mm in Beeta class. The reinforced panel structure guarantees that the doors are durable and functional. The door leaf resists warping for many years.

Surface

The weatherproof HDF panel is available as painted or veneered. The embossed doors are embossed on both sides. The grooved doors in Alfa class are grooved on both sides. In Beeta class the doors are grooved only on outside, but can be ordered with grooves on the inside. RST laths on doors UO 110 S and UO 112 S only on the outside surface. Standard colour white (NCS S 0502-Y). Other colours on order. The surface of glazed doors have been varnished, wood oil treatment on hardwood surface.

Glass

3K-double selective with insulation glass unit in Alfa class. The standard glazing in Beeta class is 3K-selective with insulation glass unit. See pattern glasses on page 40. Glazing also available in FrostFree quality.

Fittings

LC 100 lock case and adjustable striking plate as standard. 3 break-in preventing hinges which are adjustable sidewise and for different heights. For class Alfa exterior doors a RST lever handle and key cylinder cover plate are standard.

Frame

Class Alfa doors have a standard door frame made of quality wood or hardwood, class Beeta doors come with a door frame of painted quality wood or glazed pine. Frame depth 131 mm, 175 mm and 210 mm.

Threshold

Hardwood threshold, aluminum wear lath.

Seal

Double silicone seal.

Thermal insulation

Excellent thermal insulation. U-value in Alfa class doors 0.66 – 1.1 W/m²K. U-value in Beeta class doors ≤ 0.80 W/m²K. U-value for doors with glass units 0.80-1.3 W/ m²K, depending on the model.

Accessories

See the Collection Matrix on page 41 for standard and optional accessories for the Skaala Skandia exterior doors. Available add-ons include: surface fittings (lever handle and key cylinder), electromechanical locks, security locks, security glass, peephole, doorbell, tinted glass and letter-box.

Guarantee

Skaala gives a 10 year guarantee for that its exterior doors resist warping and a 2 year guarantee for the construction.

SKANDIA INTERIOR DOORS

Construction

Strong frame construction made of a 6 mm thick MDF panel. Massive wood frame as standard. The door leaf is 40 mm thick.

Surface

Painted MDF panel, varnished and glazed doors have a veneer coating. Standard colour white (NCS S 0502-Y). Other colours can be ordered. The surface of glazed doors has been varnished. Grooves and laths on both sides of the door leaf.

Glass

See pattern glasses on page 40. The glass panes are also available as laminated or hardened security glass.

Fittings

2014 lock case and symmetrical hinges which are adjustable sidewise and for different heights as standard.

Frame

Class Alfa doors with veneer coating have a standard door frame made of quality wood; class Beeta doors with veneer coating have a glazed pine frame. Painted doors have a standard door frame of quality wood. Frame depth 92 mm. Other depths can be ordered separately.

Threshold

A hardwood threshold can be ordered.

Seal

The frame has a single seal. The decibel doors have double seals.

Insulation

The insulation material used is polystyrene, which reinforces the construction. The decibel doors have a special construction.

Accessories

See the Collection Matrix on page 41 for standard and optional accessories for the Skaala Skandia interior doors.

Guarantee

Skaala gives a 2 year guarantee for the construction.



Skaala has PAS 23 & PAS 24 certification for door-sets.



Recommended lever handles



Hoppe Tökyö
3-point locking
including handle
and cylinder



HOPPE Amsterdam



Abloy Presto

As standard the doors are delivered without a lever handle.

The Skaala Skandia collection is characterized by linear and distinguished details

Alfa class exterior door

Beeta class exterior door

Interior door with frame construction

Interior door with panel construction

Interior door with decibel structure



The double seals, insulation materials and the energy efficient glazing guarantee that the strongly built Skaala Skandia exterior doors have an effective thermal insulation. The reinforced structure comes with a ten year guarantee for resisting warping. The doors are delivered complete with a durable threshold of hardwood.

The new panel construction has been reinforced by a thick frame of massive wood, which makes the Skaala Skandia interior doors robust, functional and unbreakable. The construction of the thick panel covering is made to last. The frame structured interior door is constructed with strong peg joints. The Alfa interior doors are delivered with quality wood frames free of knots, which make the painted surface most durable. The frames are also available in the same wood species and with the same surface finishing as the door.

A decibel structure which efficiently insulates the sound in the home can be combined with several of Skaala's interior doors with panel construction, but only if the door has no light openings. A sound-proof door construction which requires separate air-conditioning in the room is an ideal solution when building a virtually soundless bedroom, study or home cinema.

Skaala Tradia



Skaala Tradia
– Timeless Design



Skaala Tradia



Skaala Tradia exterior doors

The Skaala Tradia exterior doors have been designed for a mansion-like architecture characterized by rich details. The impressive laths in massive wood and the many different glazing options make the traditional style of the facade complete. The doors in the collection insulate sound efficiently and are available with both veneered and painted surfaces. You can choose between numerous painted tints and can select the exact kind of finish you would like on your door. The painted doors are delivered with a quality wood frame which is free of knots and has been painted in the same tint as the door. Every door model is available with matching fixed or operating sidelights.

The doors in the Skaala Tradia collection can be ordered with class Alfa or Beeta qualities. All doors in the Alfa class have a low energy structure which considerably improves the thermal insulation. The exterior doors in class Alfa are delivered with a cover plate which protects the surface of the door. The plate is installed around the key cylinder and the lever handle. The plate is installed around the key cylinder and the lever handle. Cylinder and handle are not included in the standard delivery. In addition, the door frames for unpainted doors in class Alfa are always made from the same type of hardwood as the veneer coating on the door. From the Skaala Collection Matrix you can see which options and qualities the different classes have to offer. Please familiarize yourself with the Collection Matrix on page 41 in this Door Book.



UO 207 T teak embossed



UO 209 T teak embossed



UO 212 T oak



UO 206 T grooved CNC-engraved glass



UO 205 T grooved



UO 203 T grooved

Recommended tints and veneers

red
RAL 3011
NCS S 4550-Y90R

blue
RAL 5001
NCS S 6030-B

yellow
RAL 1015
NCS S 1010-Y20R

grey
RAL 7038
NCS S 3502-Y

grey
RAL 7035
NCS S 1502-G

white
RAL 9010
NCS S 0502-Y

Teak

Oak

You can always select a door in any tint you like according to the RAL and NCS colour charts.

As standard the doors are delivered without a lever handle.

Standard glazing: Satinbel

Please note! Check available glazing in over- or special-sized doors and sidelights.

NEW! Skaala Security Lock safety locking system now available in all Alfa-class exterior doors.

Skaala Tradia



UO 208 T, teak
embossed



UO 209 T, teak
embossed



UO 212 T, teak



UO 210 T, oak
operating sidelights OAL 3 T, oak
CNC-engraved special glass



UO 203 T
grooved



UO 204 T
grooved



UO 205 T
grooved



UO 210 T
embossed



UO 211 T
double door



UO 207 T, teak
embossed



UO 207 T, teak
operating sidelights OAL 3 T,
teak
embossed



UO 207 T, teak
fixed sidelights OKL 3 T, teak
embossed



UO 220 T



UO 221 T



UO 222 T



OKL 1 T



OKL 2 T



OKL 3 T



OKL 4 T



OKL 5 T



OKL 6 T

Skaala Tradia



Skaala Tradia terrace doors

The decorated profiles naturally match the Skaala Tradia exterior doors and windows.



IO 57 T
embossed



IO 57 K T



D IO 57 T



D IO 57 K T



IO 58 T
embossed



IO 58 K T



D IO 58 T



D IO 58 K T

Recommended tints and veneers

red
RAL 3011
NCS S 4550-Y90R

blue
RAL 5001
NCS S 6030-B

yellow
RAL 1015
NCS S 1010-Y20R

grey
RAL 7038
NCS S 3502-Y

grey
RAL 7035
NCS S 1502-G

white
RAL 9010
NCS S 0502-Y

Teak

Oak



You can always select a door in any tint you like according to the RAL and NCS colour charts.

Skaala Tradia



Skaala Tradia interior doors

The beautiful laths in massive wood emphasize the traditional architecture and interior decoration. The doors' durable and soundproof structure increases the comfort. The special soundproof door structure effectively keeps noise from reaching the bedroom or study. You can always choose interior doors for a single room and according to usage. Among the interior doors you will also find impressive double doors with engraved glass and grids. You can choose between several different veneers and tints which match your interior decoration.

-  Available as soundproof decibel door
-  Available as dividing fire door

Recommended tints and veneers

red RAL 3011 NCS S 4550-Y90R
blue RAL 5001 NCS S 6030-B
yellow RAL 1015 NCS S 1010-Y20R
grey RAL 7038 NCS S 3502-Y
grey RAL 7035 NCS S 1502-G
white RAL 9010 NCS S 0502-Y
Eben (stained oak)
Wenge <small>The material in the massive multi-panel doors is oak that has been stained in wenge colour.</small>
Hazelnut
Antique (stained oak)
Cherry (stained oak)
Oak
White varnished oak
Ash
Birch



SO 203 T hazelnut embossed



10 R hazelnut multi-panel construction



SO 206 T wenge embossed



SO 201 T antique multi-panel construction



SO 201 T white varnished multi-panel construction



SO 202 T oak multi-panel construction

Please note! Standard glazing depends on the door model.

Skaala Tradia



SO 204 T wenge



D SO 204 T



D 10 R hazelnut
multi-panel construction



D 6 R oak
multi-panel construction



SO 203 T
embossed



D 1P white varnished
multi-panel construction



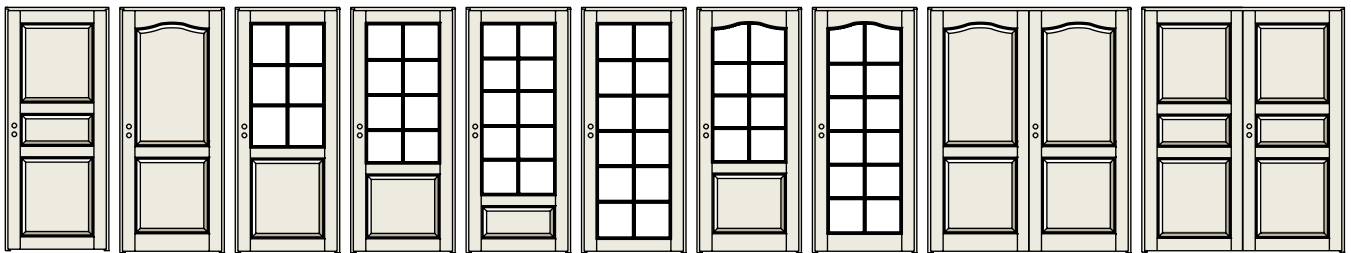
D SO 205 T hazelnut
CNC-engraved glass



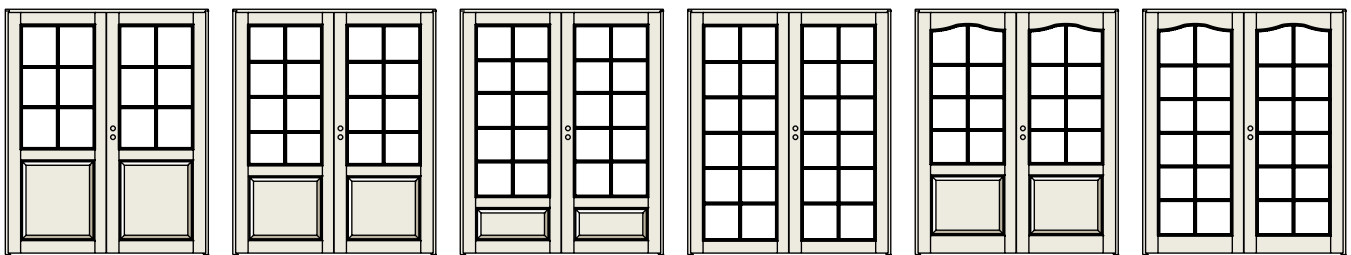
D SO 205 T hazelnut
facet polished



Among the Skaala Tradia interior doors you will find a versatile selection of wood panels and grids.



3 P 2 K 6 R 8 R 10 R 12 R 8 K 12 K D 2 K D 3 P



D 6 R D 8 R D 10 R D 12 R D 8 K D 12 K



L 2 K L 3 P L 6 R L 8 R L 10 R L 12 R L 8 K L 12 K

Skaala Tradia



TRADIA EXTERIOR DOORS

Construction

The door leaf has a symmetrical structure which is reinforced with sheets of aluminum. The thickness of the door leaf is 75 mm in Alfa class, and 62 mm in Beeta class. The reinforced panel structure guarantees that the doors are durable and functional. The door leaf resists warping for many years.

Surface

The weatherproof HDF panel is available as painted or veneered. The embossed doors are embossed on both sides. The grooved doors in Alfa class are grooved on both sides. In Beeta class the doors are grooved only on outside, but can be ordered with grooves on the inside. RST laths on doors UO 110 S and UO 112 S only on the outside surface. Standard colour white (NCS S 0502-Y). Other colours on order. The surface of glazed doors have been varnished, wood oil treatment on hardwood surface.

Glass

3K-double selective with insulation glass unit in Alfa class. The standard glazing in Beeta class is 3K-selective with insulation glass unit. See pattern glasses on page 40. Glazing also available in FrostFree quality.

Fittings

LC 100 lock case and adjustable striking plate as standard. 3 break-in preventing hinges which are adjustable sidewise and for different heights. For class Alfa exterior doors a brass lever handle and key cylinder cover plate are standard.

Frame

Class Alfa doors have a standard door frame made of quality wood or hardwood, class Beeta doors come with a door frame of painted quality wood or glazed pine. Frame depth 131 mm, 175 mm and 210 mm.

Threshold

Hardwood threshold.

Seal

Double silicone seal.

Thermal insulation

Excellent thermal insulation. U-value in Alfa class doors 0.66 – 1.1 W/m²K. U-value in Beeta class doors ≤ 0.80 W/m²K. U-value for doors with glass units 0.80-1.3 W/m²K, depending on the model.

Accessories

See the Collection Matrix on page 41 for standard and optional accessories for the Skaala Tradia exterior doors. Available add-ons include: surface fittings (lever handle and key cylinder), electromechanical locks, security locks, security glass, peephole, doorbell, tinted glass and letter-box.

Guarantee

Skaala gives a 10 year guarantee for that its exterior doors resist warping and a 2 year guarantee for the construction.

TRADIA INTERIOR DOORS

Construction

Strong frame construction made of a 6 mm thick MDF panel. Massive wood frame as standard. The door leaf is 40 mm thick.

Surface

Painted MDF panel, varnished and glazed doors have a veneer coating. Standard colour white (NCS S 0502-Y). Other colours can be ordered. The surface of glazed doors has been varnished. Grooves and laths on both sides of the door leaf.

Glass

See pattern glasses on page 40. The glass panes are also available as laminated or hardened security glass.

Fittings

2014 lock case and symmetrical hinges which are adjustable sidewise and for different heights as standard.

Frame

Class Alfa doors with veneer coating have a standard door frame made of quality wood; class Beeta doors with veneer coating have a glazed pine frame. Painted doors have a standard door frame of quality wood. Frame depth 92 mm. Other depths can be ordered separately.

Threshold

A hardwood threshold can be ordered.

Seal

The frame has a single seal. The decibel doors have double seals.

Insulation

The insulation material used is polystyrene, which reinforces the construction. The decibel doors have a special construction.

Accessories

See the Collection Matrix on page 41 for standard and optional accessories for the Skaala Tradia interior doors.

Guarantee

Skaala gives a 2 year guarantee for the construction.



Skaala has PAS 23 & PAS 24 certification for door-sets.



Recommended lever handles



HOPPE Rodos



Abloy Jousi

Hoppe Tôkyô
3-point locking including handle and cylinder

You will recognize the Skaala Tradia collection from the decorative laths of massive wood

As standard the doors are delivered without a lever handle.

Alfa class exterior door Beeta class exterior door Interior door



Interior door with decibel structure



The double seals, insulation materials and the energy efficient glazing guarantee that the strongly built Skaala Tradia exterior doors have an effective thermal insulation. The reinforced structure comes with a ten year guarantee for resisting warping. The doors are delivered complete with a durable threshold of hardwood.

The new panel construction has been reinforced by a thick frame of massive wood, which makes the Skaala Tradia interior doors robust, functional and unbreakable. The construction of the thick panel covering is made to last. The class Alfa interior doors are delivered with a door frame made of quality wood, which makes the painted surface most durable.

A decibel structure which efficiently insulates the sound in the home can be combined with several of Skaala's interior doors with panel construction, but only if the door has no light openings. A sound-proof door construction which requires separate air-conditioning in the room is an ideal solution when building a virtually soundless bedroom, study or home cinema.

The genuine multi-panel construction gives the door a traditional look and guarantees that the door will have a long operating life. The massive wood and the strong peg joints make the construction most durable. The painted surfaces in the wood panel are made from a solid and unbreakable furniture panel. On the previous spread on page 31 in the Door Book you will find examples of high-quality multi-panel doors with matching sidelights.

Aluminum-coated terrace doors



IOA (Alfa, Beeta and Gamma)

Single-leaf aluminum-wood French door with HDF coating, opens outward.

IOSUA

Two-leaf aluminum-wood French door which opens inward/outward. The outer panels of the thermally insulated, massive part of the door is a HDF panel, the outmost surface is a painted aluminum sheet.

Frame

A painted frame of quality wood or a glazed pine frame. Frame depth 131 mm, 175 mm and 210 mm.

Surface finishing

The wooden parts are painted with coating colour, standard tint white (NCS S 0502-Y). Optionally the wooden parts can be stained and varnished. The aluminum parts have been powder painted, standard tint white RAL-9010. Other tints for wooden and aluminum parts can be ordered.

Glazing

Alfa IOA	3K-double selective + argon gas insulation glass unit with warm edge
Beeta IOA	3K-selective + argon gas insulation glass unit with warm edge
Gamma IOA	3K-selective + argon gas insulation glass unit
IOSUA	Inner door: 2K-selective + argon gas insulation glass unit Outer door: clear float glass

Performance

Alfa IOA	Thermal insulation $U=0,67 - 0,83 \text{ W/m}^2\text{K}$ Soundproofing (Rw + Ctr) 30 – 35 dB
Beeta IOA	Thermal insulation $U=0,81 - 0,99 \text{ W/m}^2\text{K}$ Soundproofing (Rw + Ctr) 28 – 35 dB
Gamma IOA	Thermal insulation $U=0,94 - 1,24 \text{ W/m}^2\text{K}$ Soundproofing (Rw + Ctr) 28 – 35 dB
IOSUA	Thermal insulation $U=0,70 - 1,1 \text{ W/m}^2\text{K}$ Soundproofing (Rw + Ctr) 32 – 40 dB

Seals

IOA (Alfa, Beeta and Gamma)	Double silicone seals
IOSUA	Double silicone seals on the inside, single silicone seal on the outside.

Fittings

IOA (Alfa, Beeta and Gamma)	4190 lock case or lockable espagnolette. Break-in preventing hinges which are adjustable sidewise and for different heights.
IOSUA	Inner and outer doors have espagnolette locking. Break-in preventing hinges which are adjustable sidewise and for different heights on both door leaves.

Extra equipment which can be ordered separately

- Surface fittings
- Removable PIR30A grids in the outmost surface of the outer glass (except for Alfa IOAL)
- Blinds
- Doorstop mechanism
- Through-lockable espagnolette
- Special glazing
- FrostFree quality



Alfa IOA



IOSUA



Gamma IOA



Skaala Patio doors



Skaala patio doors

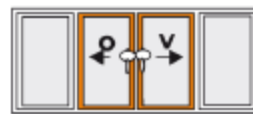
A patio door provides you with a free passage to the garden, balcony or terrace. The patio door increases the usage of the indoor and outdoor space and creates a functional whole. The user-friendly and comfortable patio door is easy to open and close and makes the room more spacious. In addition, more natural light is allowed to flow in from outside. A patio door brings along new and interesting possibilities for the decoration of your home or holiday house.

When you open the door the sliding-door element shifts outward and can easily be slid in front of the adjacent element. The lever handle has an integrated brake to enable a stepless opening of the door, for example the door can be kept in a light airing position.

- Frame depth 178 mm
- Min-Max width 1590–5000 mm
- Min-Max height 1390–2490 mm



Model A
1 sliding frame (left /right)



Model C
2 sliding frames (left /right)
without fixed middle rail



Skaala Special doors



Doors for humid rooms

The Skaala doors for humid rooms have been especially designed for spaces where you do not have to mind the splashes. Even in a well ventilated bathroom the moisture is concentrated on the surface of the door and if the door is not moisture resistant it can be ruined before its time.

A moisture-resistant door is a sensible choice for bathrooms and lavatories. There are two different door models: plain and three-panel doors. We do not recommend that you use other types of doors in humid rooms than those especially designed for this purpose.



Plain door for humid room



Three-panel door for humid room



Glass door for humid room

Bright and spacious saunas

The Skaala glass doors create more space in the sauna. All sauna doors have tight seals, which prevent the heat from escaping and ensure that the door closes softly. The glass doors that are installed in other rooms than the sauna have lever handles and interior door fittings.



The surface of the doors for humid rooms has a vague pattern of wood veins.



IOAL_K



Smoky grey with horizontal handle



Satin with door knob



Bronze with vertical handle



Striped satin with door knob

Skaala Pattern glass



Etched glass.



Satinbel.



Cotswold.



Kathedral clear.



Machine antique.



Chinchilla.

The Skaala Collection Matrix

		Skandia	Tradia	Familia		Skandia	Tradia	Familia		Skandia	Tradia	Familia
	Windows				Exterior and terrace doors				Interior doors			
Alfa	Energy class A	●	●		Low-energy structure	●	●		Efficient soundproofing	●	●	
	Efficient soundproofing	●	●		Efficient soundproofing	●	●		Single seal	●	●	
	Thermally insulated frame	●	●		Double seals	●	●		Decibel structure	○	○	
	FrostFree	○	○		Double rebate	●	●		Quality wood frame (painted doors)	●	●	
	Warm edge spacer	○	○		Quality wood frame (painted doors)	●	●		Hardwood frame (veneered doors)	●	●	
	Sun screening	○	○		Hardwood frame (veneered doors)	●	●		Satin-chrome lever handle	○	○	
	Self-cleaning Active	○	○		Cover plate	●	●		Brass lever handle	○	○	
	Lever handles satin-chrome/white	●	○		Satin-chrome lever handle	○	○					
Lever handles brass/white	○	●		Brass lever handle	○	○						
Beeta	Energy class A	●	●		Efficient soundproofing	●	●		Single seal	●	●	
	Efficient soundproofing	●	●		Security locks	○	○		Quality wood frame	●	●	
	Thermally insulated frame	●	●		Fingerprint identification	○	○		Matt finish steel lever handle	○	○	
	Warm edge spacer	●	●		Double seals	●	●		Satin-chrome lever handle	○	○	
	FrostFree	○	○		Double rebate	●	●		Efficient soundproofing	○	○	
	Sun screening	○	○		Pine frame	●	●					
	Self-cleaning Active	○	○		Satin-chrome lever handle	○	○					
	Lever handles satin-chrome/white	●	○		Brass lever handle	○	○					
Lever handles brass/white	○	●										
Gamma	Energy class B...C			○	Efficient soundproofing			●	Plain or moulded door			●
	Efficient soundproofing			●	Single seal			●	Single seal			○
	Standard frame			●	Single rebate frame, single seal (exterior doors)			●	Quality wood frame			●
	Sun screening			○				●	Chrome lever handle			○
	Self-cleaning Active			○	Double rebate (terrace doors)			●	Efficient soundproofing			○
	Lever handles chrome/white			●	Double seals (terrace doors)			●				
				Chrome lever handle			○					

● standard ○ optional, extra equipment or quality – cannot be combined with the product or model in question

The patio doors can be combined with all collections.

For print technical reasons, the tints of the products might differ from the actual tints. We reserve the right for changes without notice.

A pioneer within energy economics

Energy efficient collections

Skaala is a renowned pioneer regarding energy efficient door and window solutions. We have brought the market most energy efficient door and window collections, which make it possible to achieve significant savings in the energy consumption in the home.

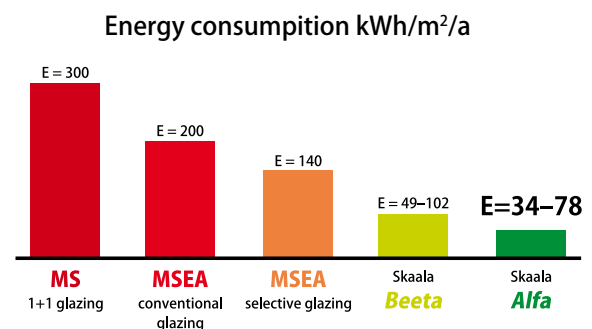
The Alfa window in Skaala's Nordic collection is the most energy efficient window on the market and takes energy savings to an entirely new level. The energy consumption of the Alfa window is less than half of the consumption of windows representing the current standard. In objects of renovation the difference in energy consumption is even greater, when the old windows are replaced by new Alfa windows.

Skaala's door collection is also most energy efficient. Although there is yet no classification system for the energy efficiency of doors corresponding to that of windows, the energy aspect has been one of the areas in focus in our design. Indeed the Skaala exterior and balcony doors have excellent U-values according to their different classes.

The Skaala door and window collections guarantee that builders and redecorators now for the very first time are entitled to a complete, energy efficient solution. The Skaala products reduce the amount of energy needed for heating and ventilation and lift the comfort in the home to a new level.

In addition to being energy efficient, the extensive Skaala collection implies that builders and redecorators now also for the first time are able to choose a complete solution consisting of both doors and windows which matches the architectural style and interior decoration of their home.

It could not possibly become any easier to select a complete, energy efficient solution.



Outstanding energy efficiency

By comparing the energy consumption of the Skaala Alfa window with older window constructions, or even with the models currently used in construction, you will see that Skaala Alfa is outstanding regarding energy efficiency.



Apart from the U-value a new indicator, the E-value, has been adopted. The E-value tells you, directly and without embroidering, how much energy the window consumes. The E-value makes it possible to compare the window models of different manufacturers, making it easy to choose as the cost for the amount of energy the window consumes can be calculated.

is that they both consume energy. With Skaala's highly energy efficient doors and windows, you are able to decrease the need for heating energy considerably. The effective sun screening of the windows also saves the energy needed for cooling.

To invest in an energy efficient home is a reasonable solution. It will save you money and increases the comfort in your home remarkably. It is also an important ecological deed.

The climate agreements affect us all

The discussion brought on by the climate change has led to certain decisions, which will affect us all. As Europeans, we are obliged to achieve strict goals for decreasing the emissions of greenhouse gases and this will also show in the building regulations. In reality this means that the buildings will have to become increasingly energy efficient.

Windows and doors comprise up to a third of the total energy consumption of a building. In cold climates the heat strives to escape from the house and to prevent this from happening we must use different kinds of heating systems. Again, in hot climates especially the windows create a significant amount of extra heat inside the building, giving rise to the need for automatic air conditioning. What these two phenomena have in common

The energy efficiency of windows

THE REGULATIONS		SKAALA 2011	
2010>	2012 >*	Skaala Alfa	Skaala Beeta
U=1,00	U=0,80	U=0,72 – 0,84	U=0,86 – 1,04

U-value = heat transfer coefficient (W/m²K)

* The proposition from the Ministry of the Environment

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