



ADW

architectural doors & windows limited



NORWOOD

high performance windows

Norwood H Type Fully Reversible & Sideswing Windows are tested to BS7950: 1997 Specification for enhanced security performance of Windows for domestic application, certified by BM Trada.

The H Window system has undergone a radical product development in design and technology in order to meet customers expectations of a market leading product.

The demand for accuracy is absolute and the Norwood production facilities are revised and streamlined on a continuing basis. All H windows are supplied with hinges manufactured by Spilka AS.



H-WINDOW

The centre hinged H-window is by far the most selling window on the Norwegian market. It is widely known for its tight fitting, functioning, high quality and long life in a harsh climate.

The top turn H-window

This is the first window on the market to allow a full inside-out turn, for comfortable cleaning of the exterior surface, without disturbing curtains or window sill flower pots.

- Impregnated wood, may also be supplied with surface treatment
- One handle operation
- All windows taller than 59 cm supplied with childrens safety catch, which also functions as a position lock when cleaning.
- Opening mechanism in zinc electroplated steel
- Device to lock window in airing position is standard
- Closes tighter when the wind blows harder, because the sash is pressed against the casement
- Combination with side opening and non-opening possible in one casement
- Double layer insulating energy glazing with 15 mm insulation air chamber between panes supplied as standard. All relevant types of glazing may be supplied as options
- Panes are glued to the sash frame
- Fitted ventilators are standard

The side turn H-window

This window has the same functions as the top turn "H-window", but with side opening. It looks like a side hinged window when open, and is thus well suited both to old and new houses. The weight of the window is suspended from the top of the casement, to ensure problem free opening and turning function throughout the lifetime of the window.

- Impregnated wood, may also be supplied with surface treatment
- One handle operation, two handles optional where required
- Children's safety catch, with dual function as position lock when cleaning
- Opening mechanism in zinc electroplated steel
- Closes tighter when the wind blows harder, because the sash is pressed against the casement
- Combination with side opening and non-opening possible in one casement
- Double layer insulating energy glazing with 15 mm insulation air chamber between panes supplied as standard.

All relevant types of glazing may be supplied as options

- Panes are glued to the sash frame
- Fitted ventilators are standard

The fixed H-window

Employed where windows are not to be opened, alone or in combination with top-and/or side opening windows. Fixed windows allow more design possibilities.

- Impregnated wood, may also be supplied with surface treatment
- Combination possibilities with opening and non-opening windows in one casement
- Double layer insulating energy glazing with 15 mm insulation air chamber between panes supplied as standard. All relevant types of glazing may be supplied as options
- Panes are glued to the sash frame
- Fitted ventilators are standard



H-BALCONY DOOR

The "H-balcony door" is supplied with one or two wings, both versions with alternative panel heights as well as rails and mullions to match the "H-windows".

- Laminated casements and casements frames gives maximum stability
- Three robust hinges
- One handled operated
- Espagnolette with three lock points to casement
- Hardwood sill with protective beading
- Removable weather strips simplify maintenance
- Supplied with handle, interior thumb single or double cylinder lock is optional
- Double layer energy glazing is standard, any relevant type of glazing may be supplied as options
- Panes are glued to the frames
- Also available with surface treatment

Balcony doors are often used for ventilation. Ordinary balcony doors will be blown closed or wide open by the lightest breeze, while the "H-balcony door" can be locked in any position you choose. This unique function is operated with the door handle. Many decide for the "H-balcony door" for this detail alone.



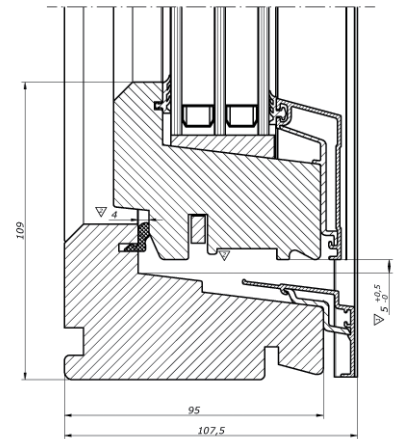
ALUMINIUM CLAD OPTION

The H Window is available with Aluminium Cladding to the external face, this option comes with the Opus Hidden hinge by Spilka which offers an architecturally refined appearance. With this option external maintenance is almost eliminated with the use of powder coated aluminium profiles to protect the timber surfaces from the effect of the weather. Aluminium Extension sills are available in a variety of sizes for site fitting to underside of the windows to offer further protection.

Whilst the External Surface is available in almost any RAL Colour the timber surface is protected with either a Translucent Stain, a Clear Lacquer or an Opaque Micro porous Paint finish to a RAL colour.

The timber surfaces are factory finished inside and outside before the cladding is applied therefore protecting the external surface and ensuring long term preservation of the timber. The Aluminium is held of the timber surface with clips, this allows the free circulation of air between the two materials and prevents moisture passing to the timber surface.

This option offers the warmth of the timber internally whilst ensuring the external surface is protected from the weather without long term external maintenance.



PRODUCT FACTS

The windows are subjected to the following process: First there is a visual control, rig adjustment, knot varnishing, filling and polishing. Then they are painted twice, checked and polished. Finally they are given two finishing coatings of paint.

Surface Treatment

The increasing trend among our customers is to order fully treated windows. Our wood treating facilities include the latest technology to assure an even quality as well as meeting the highest environmental standards. Each part of the window and door is treated separately before assembly. The electrostatic treatment ensures accuracy and efficiency. For the treatment process we use water based products from one of the worlds largest manufacturer – Akzo Nobel.

These products have proven their reliability trough years of testing and application, and they do not pollute the environment.

Laminated timber

All “H-products” are supplied with laminated timber. When wood is laminated, the inherent tension naturally present wood is neutralized, and with it the reason for warping. This means that “H-windows” and “H-doors” stay tight and in shape, and may be opened and closed easily. The choice of materials is important, for aesthetical reasons as well to secure long lifetime and easy maintenance. We only use first grade pine and spruce; pine for the lamella that faces the room for its good looks and spruce in the lamella that faces the exterior, because of its water resi-

stant cellular structure and excellent paint and stain adhesive properties.

Ventilators

The “H-windows” are supplied with Spilvent slit ventilators as standard. Air is being lead into the rooms because of the construction of the ventilator. When closed, the ventilator is quite tight. Other ventilators, e.g. Biobe ventilators, are optional.

Glazing

“H-products” are supplied with insulating glass according to our customers’ wish. When choosing your glazing option, you should above all consider the insulating capacity, the U-value. The lower the U-value, the better the insulating capacity – and the lower your heating costs will be. Our most common glazing is the double layer insulation with low emission glass in one of the panes (energy glazing) and 15 mm air chamber with argon filling between the panes. We also supply triple glazing and several different special glazing systems, e.g. noise reducing or solar absorbent, according to our customers’ specifications.

Opening mechanism

The quality, durability and design of the fittings are decisive for the function of a window throughout its lifetime. The fittings of the “H-window” are considered the best there are.

Material:

Steel

Surface treatment:

Zinc electroplated, passivated with yellow chrome, varnished.

Function tests:

Up to 300 000 movements, where 20 000 movements correspond to the wear of a school window which is opened every break for 25 years.

Child safety lock:

Integrated in fittings.

Ventilators:

Standard

Corrosion tests:

The “H-windows” meet the demands for the 96 hour salt fog chamber tests without problems.

10 YEARS PRODUCT WARRANTY

The H-manufacturers offer a 10 year product warranty, which means a warranty beyond the responsibility the seller has, in accordance with common rules in the consumer sales law.

The warranty applies to products made from:

- Laminated soft wood,
- Laminated soft wood, with aluminium exterior finish

The warranty includes:

Insulation glass is covered by warranties against:

- Condensation between the window panes
- Function faults for products with fittings
- The stability and durability of the materials

The warranty implies that the H-producer:

- Delivers new glass panes in case
- When condensation comes into being between the window panes
- Replaces products with fittings with poor functioning
- Delivers new products when they cannot be repaired

The warranty does not cover:

Costs of labour in cases of exchange

or repair of damaged product beyond 5 year

- Costs for possible scaffolding, cranes or other aids, which are necessary for repairing the damage
- Consequential damages or other work, which must be carried out, such as paint work, wall papering, etc, which is necessary in connection with the warranty work
- Damages caused by strange objects, which have been mounted on the products
- Wear – or damages to the weather stripping, caused by stain / paint or solvents
- Locks and other products with fittings, which were not included in the delivery
- When the product is being delivered, with finished surface treatment,
- the surface treatment itself is not covered by the warranty

The following is required in order for the warranty to apply:

- The products must be stocked and mounted in accordance with the recommendations from the manufacturer and detailed building datasheet for NBI
- The products must be given normal good maintenance. This also applies to products being

delivered fully surface treated from the manufacturer

- Products delivered as unpainted untreated must be surface treated as soon as possible after delivery
- The surface treatment must be checked annually and repaired if necessary
- All products with fittings and movable parts shall be checked regularly and be greased / oiled as needed

Generally:

- The place of purchase must be documented, by means of invoice or other proof of purchase
- All claims shall be in writing, and the information the producer requires must be presented
- In case of defect product(s), the claim must be presented within a reasonable period of time, (maximum 6 months) after the defect was being detected or ought to have been detected
- If a claim is not being presented in time, the right to advance the claim is lost
- The warranty covers all products delivered after 01.07.2002
- The warranty is in force from the date of invoice to the producer's customer

**10
YEAR
WARRANTY**

