



HIGH PERFORMANCE E WINDOWS AND DOORS



Technical specification

| | |
|--------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes |
| Escape route | Yes |
| Ventilation | Yes |
| Burglar resistance | Yes, Secured by Design |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | NorDan TopTech |

Product features

| | |
|-----------------------|---------------------------------------|
| Energy saving | U-value 0.8 to 1.2 Wm ² /K |
| Cleaning | Cleaning from inside |
| Entry sound reduction | Rw 36dB Rw+Ctr 32dB |
| Watertightness | Class 9A, EN 12208 |

TG



Top swing - TopTech

Well balanced ironmongery ensures the frame can easily be turned 180 degrees for safe cleaning from the inside of your building. Solid cleaning restrictors are also integrated in the hinges for additional safety. The window has a sophisticated and effective child safety restrictor integrated in the hinges for extra peace of mind.

Profile 92mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|--------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 348 mm |
| Max Width (100) | 2 388 mm |
| Min Height (100) | 388 mm |
| Max Height (100) | 1 788 mm |
| Width + Height (100) | Max: 3400 mm |
| Sash weight (100) | Max: 80 kg |

TG



Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|--------------|
| Frame width (113) | 113mm |
| Min Width (113) | 348 mm |
| Max Width (113) | 2 388 mm |
| Min Height (113) | 450 mm |
| Max Height (113) | 1 788 mm |
| Width + Height (113) | Max: 3400 mm |
| Sash weight (113) | Max: 80 kg |

Technical specification

| | |
|--------------------|-----------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes |
| Escape route | Yes |
| Ventilation | Yes |
| Burglar resistance | Yes, Secured by Design accredited |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | Spilka Opus |

Product features

| | |
|-----------------------|--|
| Energy saving | U-value: 0.9 to 1.2 W/m ² K |
| Cleaning | Cleaning from inside |
| Entry sound reduction | Rw 36dB Rw+Ctr 32dB |
| Watertightness | Class 9A, EN 12208 |

TY



Top swing - Opus

Well balanced ironmongery makes sure the frame can easily be turned 180 degrees for safe cleaning from inside. Solid cleaning restrictors are also integrated for additional safety. The window has a sophisticated and effective child safety restrictor integrated in the hinges for extra peace of mind.

Profile 92mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|---------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 488 mm |
| Max Width (100) | 2 300 mm |
| Min Height (100) | 550 mm |
| Max Height (100) | 1 588 mm |
| Width + Height (100) | Max: 3 300 mm |
| Sash weight (100) | Max: 100 kg |

TY



Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 488 mm |
| Max Width (113) | 2 300 mm |
| Min Height (113) | 550 mm |
| Max Height (113) | 1 588 mm |
| Width + Height (113) | Max: 3 300 mm |
| Sash weight (113) | Max: 55 kg |

TA



Technical specification

| | |
|--------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | No |
| Escape route | Yes, size permitting |
| Ventilation | Yes |
| Burglar resistance | BS644 |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | NDH 9532* |

Product features

| | |
|-----------------------|--|
| Energy saving | U-value: 0.9 to 1.2 W/m ² K |
| Entry sound reduction | Rw 37dB Rw+Ctr 33 |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | No |

NorDan side hung windows provide a suitable solution for a side hinged opening, the traditional approach to windows. However, the quality and integrity of the product is the same high standard which you would expect from NorDan.

Profile 92mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|---------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 388 mm |
| Max Width (100) | 1 200 mm |
| Min Height (100) | 488 mm |
| Max Height (100) | 2 188 mm |
| Width + Height (100) | Min: 2 800 mm |
| Sash weight (100) | Max: 55 kg |

TA



Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 450mm |
| Max Width (113) | 1 200 mm |
| Min Height (113) | 488 mm |
| Max Height (113) | 2 188 mm |
| Width + Height (113) | Max: 2 800 mm |
| Sash weight (113) | Max: 55 kg |

TD

Technical specification

| | |
|--------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, as standard |
| Escape route | Yes, size permitting |
| Ventilation | Yes |
| Burglar resistance | BS644 |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | NorDan side swing |

Product features

| | |
|-----------------------|--|
| Energy saving | U-value: 0.9 to 1.2 W/m ² K |
| Cleaning | Cleaning from inside |
| Entry sound reduction | Rw 36dB Rw+Ctr 32dB |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | No |



The NorDan side swing outward opening window has a classic design with modern functionality. Particularly suitable for refurbishment projects, although it is also ideal for new buildings. The window sash can be rotated 180 degrees, which means you can safely wash the outside of the window from inside.

Profile 92mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|---------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 388 mm |
| Max Width (100) | 988 mm |
| Min Height (100) | 350 mm |
| Max Height (100) | 2 188 mm |
| Width + Height (100) | Max: 2 700 mm |
| Sash weight (100) | Max: 50 kg |

TD



Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 450 mm |
| Max Width (113) | 988 mm |
| Min Height (113) | 350 mm |
| Max Height (113) | 2 188 mm |
| Width + Height (113) | Max: 2 700 mm |
| Sash weight (113) | Max: 50 kg |

Technical specification

| | |
|--------------------|-----------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, as standard |
| Escape route | No |
| Ventilation | No |
| Burglar resistance | Yes, Secured by Design accredited |
| Timber protection | Yes, vacuum impregnated |

Product features

| | |
|-----------------------|--|
| Energy saving | U-value: 0.7 to 1.2 W/m ² K |
| Entry sound reduction | Rw 37dB Rw+Ctr 32dB |
| Fire resistance | EI30/B60/EI60 (optional) |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | Yes |

TL



Fixed light

Fixed light windows allow extensive use of large glass areas and particular architectural styles. Personal safety, escape routes and the possibility of washing must always be considered before choosing a fixed light window. This window is also available as a smart solution for inside the building to create additional screening options or designs.

Profile 92mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|---------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 188 mm |
| Max Width (100) | 4 488 mm |
| Min Height (100) | 188 mm |
| Max Height (100) | 4 488 mm |
| Width + Height (100) | Max: 6 000 mm |
| Sash weight (100) | Max: 240 kg |

TL



Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 188 mm |
| Max Width (113) | 4 488 mm |
| Min Height (113) | 188 mm |
| Max Height (113) | 4 488 mm |
| Width + Height (113) | Max: 6 000 mm |
| Sash weight (113) | Max: 280 kg |

Product features

| | |
|------------------------------|--------------------|
| Sound reduction | Rw + Ctr = 39 dB |
| Fire resistance availability | EI30 |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | No |

Technical specification

| | |
|-------------------|--------------------------------|
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | Esp. NorDan. |

TB



Air vent

Air vents gives you a good opportunity to get fresh air without opening the window. Our inward swinging air vents works well together with both openable and fixed windows.

| Technical specification | |
|-------------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | See individual product type |
| Escape route | See individual product type |
| Ventilation | See individual product type |
| Burglar resistance | Depending on products used |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | See individual product type |
| Product features | |
| Energy saving | U-value: 1.2 to 0.7 W/m2K |
| Cleaning | See individual product type |
| Entry sound reduction | See individual product type |
| Fire resistance | EI 30 (depending on size) |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | Yes |

TO



Opportunities:
TG,TY,TA,TD,TB,TW/// NOT
TL

Multi-sash - outward

NorDan offer a comprehensive window configuration with the outward opening multi-sash. If you require an escape window, it can be delivered with a removable centre post for simple operation. Multi-sash windows can satisfy building regulation requirements for escape routes too (size permitting).

Profile 92mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113 mm |
| Min Width (113) | 488 mm |
| Max Width (113) | 3 988 mm |
| Min Height (113) | 488 mm |
| Max Height (113) | 3 988 mm |
| Width + Height (113) | Max: 6 000 mm |

TO



Opportunities:
TG,TY,TA,TD,TB,TW/// **NOT**
TL

Profile 105mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|---------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 488 mm |
| Max Width (100) | 3 988 mm |
| Min Height (100) | 488 mm |
| Max Height (100) | 3 988 mm |
| Width + Height (100) | Max: 6 000 mm |

Product features

| | |
|------------------------------|-----------------------------|
| Energy saving | U-value: 0.8 to 1.2 W/m²K |
| Cleaning | See individual product type |
| Sound reduction | Rw 37dB Rw+Ctr 33 |
| Fire resistance availability | - |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | - |

Technical specification

| | |
|--------------------|--|
| Glass | 6-16G-ES4 (double) 4ES-16G-4-16G-ES4 (triple) |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | See individual product type |
| Escape route | See individual product type |
| Ventilation | See individual product type |
| Burglar resistance | See individual product type |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | See individual product type |

TM



Opportunities: Like TO, **BUT HAS TO BE AT LEAST ONE TL (Fixed light)**

Combination window outward

The outward opening combination window uses fixed lights and opening windows in the same frame. These windows can be produced to large sizes and provide good architectural possibilities. Combination windows are often used in modern architecture, providing distinctive and architecturally exciting opportunities for optimal function. Combine the optimum view with good air ventilation in the same frame. Personal safety and the ability to clean larger windows safely must always be considered.

Profile 92mm

Measure Aluclad Timber 100 Frame

| | |
|----------------------|---------------|
| Frame width (100) | 100 mm |
| Min Width (100) | 488 mm |
| Max Width (100) | 2 188 mm |
| Min Height (100) | 488 mm |
| Max Height (100) | 2 588 mm |
| Width + Height (100) | Max: 3 500 mm |
| Sash weight (100) | Max: 100 kg |

TM



Opportunities: Like TO, **BUT
HAS TO BE AT LEAST ONE
TL (Fixed light)**

Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 488 mm |
| Max Width (113) | 2 188 mm |
| Min Height (113) | 488 mm |
| Max Height (113) | 2 588 mm |
| Width + Height (113) | Max: 3 500 mm |
| Sash weight (113) | Max: 100 kg |

Technical specification

| | |
|-------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES+16G+4+16G+E4S |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, optional |
| Escape route | Yes, size permitted |
| Ventilation | Yes |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | NorDan |

Product features

| | |
|-----------------------|----------------------------|
| Energy saving | 0,7-1,2 W/m ² K |
| Cleaning | Cleaning from inside |
| Entry sound reduction | Rw+Ctr 28 to 38 |
| Fire resistance | EI 30 (depending on size) |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | Yes |

OD



This inward opening, tilt and turn window has an advanced, user-friendly locking mechanism. With a single handle and five locking points, the window can be easily used for ventilation and opening into the cleaning position so the external glass can be safely cleaned from the inside.

OD



Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 488 mm |
| Max Width (113) | 1 483 mm |
| Min Height (113) | 488 mm |
| Max Height (113) | 2 588 mm |
| Width + Height (113) | Max: 3 888 mm |
| Sash weight (113) | Max: 120 kg |

Technical specification

| | |
|--------------------|-----------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, as standard |
| Escape route | Yes |
| Ventilation | Yes |
| Burglar resistance | Yes, Secured by Design accredited |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | ND powder coated hinges |

Product features

| | |
|-----------------------|--|
| Energy saving | U-value: 0.8 to 1.2 W/m ² K |
| Cleaning | Yes |
| Entry sound reduction | 37dB Rw 32dB Rw+Ctr |
| Fire resistance | - |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | Yes |

TE (Outward) / 1I (Inward)



The single balcony door is not just elegant but robust enough to provide burglar resistance with secured by design approval.

The door design can be customised to suit your project with fully glazed and insulated panel options. Also available as inward swinging two winged door. Choose from accessories such as kick plates, synchronized cylinders and variable ventilation. Variable venting can also be retrofitted easily.

Profile 92mm (only for TE)

| Measure Aluclad Timber 113 Frame | |
|----------------------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 688mm |
| Max Width (113) | 1 188 mm |
| Min Height (113) | 1 338 mm |
| Max Height (113) | 2 537 mm |
| Width + Height (113) | Max: 3 500 mm |
| Sash weight (113) | Max: 120Kg |

TE (Outward) / 1I (Inward)



Profile 105mm

| Measure Aluclad Timber 100 Frame | |
|----------------------------------|---------------|
| Frame width | 100 mm |
| Min Width | 688 mm |
| Max Width | 1 188 mm |
| Min Height | 1 338 mm |
| Max Height | 2 537 mm |
| Width + Height | Max: 3 500 mm |
| Sash weight | Max: 120 kg |

Technical specification

| | |
|--------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, as standard |
| Escape route | Yes |
| Ventilation | Yes |
| Burglar resistance | - |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | ND powder coated hinges |

Product features

| | |
|-----------------------|---|
| Energy saving | U-value: 0.9 to 1.3 W/m ² K |
| Cleaning | Yes |
| Entry sound reduction | Please speak to your sales rep. |
| Fire resistance | - |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | No, lowest U-value 0.9 W/m ² K |

TX (Outward) / 2I (Inward)



The double balcony door is not just elegant but robust enough to provide burglar resistance with secured by design approval.

Profile 92mm (only for TX)

Measure Aluclad Timber 100 Frame

| | |
|----------------|---------------|
| Frame width | 100 mm |
| Min Width | 688 mm |
| Max Width | 1 188 mm |
| Min Height | 1 338 mm |
| Max Height | 2 537 mm |
| Width + Height | Max: 3 500 mm |
| Sash weight | Max: 120 kg |

TX (Outward) / 2I (Inward)



Profile 105mm

Measure Aluclad Timber 113 Frame

| | |
|----------------------|---------------|
| Frame width (113) | 113mm |
| Min Width (113) | 998 mm |
| Max Width (113) | 2 088 mm |
| Min Height (113) | 1 338 mm |
| Max Height (113) | 2 537 mm |
| Width + Height (113) | Max: 4 600 mm |
| Sash weight (113) | Max: 110 kg |

Technical specification

| | |
|--------------------|-----------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, as standard |
| Escape route | Yes |
| Ventilation | Yes |
| Burglar resistance | Yes, Secured by Design accredited |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | Assa / NorDan |

Product features

| | |
|-----------------------|---|
| Energy saving | U-value: 0,9 to 1.3 W/m ² K |
| Cleaning | Yes |
| Entry sound reduction | Rw 37dB Rw+Ctr 31dB |
| Fire resistance | - |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | Yes, U-value down to 0,8 W/m ² K |

2P



NTech

Sliding Door 2-Leaf

Glide on sealed ball bearings set safely beneath the door, making it easy to open and close even in larger dimensions. When the handle is turned down, the door moves out and away from the gasket.

When the door is closed, it fits firmly into the seal so that the maximum protection against draughts, wind and rain and also improved security.

Measures

| | |
|---------------------|---------------|
| Frame width timber | 164 mm |
| Frame width aluclad | 172 mm |
| Min Width | 1 388 mm |
| Max Width | 3 988 mm |
| Min Height | 1 650 mm |
| Max Height | 2 588 mm |
| Width + Height | Max: 6 676 mm |
| Sash weight | Max: 135 kg |



Technical specification

| | |
|--------------------|--------------------------------|
| Glass (double) | 6-16G-ES4 |
| Glass (triple) | 4ES-16G-4-16G-ES4 |
| Exterior material | Timber / Aluminium clad timber |
| Interior material | Timber |
| Child safety | Yes, as standard |
| Escape route | Yes |
| Ventilation | Yes |
| Burglar resistance | No |
| Timber protection | Yes, vacuum impregnated |
| Ironmongery | Assa / NorDan |

Product features

| | |
|-----------------------|--|
| Energy saving | U-value: 0.9 to 1.4 W/m ² K |
| Cleaning | Yes |
| Entry sound reduction | Rw+Ctr 30 with 31112 |
| Fire resistance | - |
| Watertightness | Class 9A, EN 12208 |
| Passive availability | Yes, U-value down to 0,86 W/m ² K |

4P



NTech

Sliding Door 4-Leaf

Glide on sealed ball bearings set safely beneath the door, making it easy to open and close even in larger dimensions. When the handle is turned down, the door moves out and away from the gasket.

When the door is closed, it fits firmly into the seal so that the maximum protection against draughts, wind and rain and also improved security.

Measures

| | |
|---------------------|-------------|
| Frame width timber | 164 mm |
| Frame width aluclad | 172 mm |
| Min Width | 2 788 mm |
| Max Width | 7 988 mm |
| Min Height | 1 650 mm |
| Max Height | 2 588 mm |
| Width + Height | 10 676mm |
| Sash weight | Max: 135 kg |



View: NTech Sliding door

NorDan External doorsets

Your front door will welcome you home for years to come. Open your front door with confidence, trust Scandinavian design and engineering.

H1 doors



H1 doors EI30



Our doors are much more than just a beautiful surface. The clever details hidden under the shell. The construction is one of the most secure and solid. You have the ability to choose additional accessories to enhance security and to create a personalized door.

Colour selection

All our painted exterior doors are supplied pre-finished in white standard color (NCS S 0502-Y). If you want a different color, you can choose among the ten standard colors for an additional price.

Other colour

If you want a specific color, you can choose at extra cost from the full range of both NCS and RAL.

Glass

You can choose between four different types of glass. Clear glass, etched glass, cotswold and decorative glass.

Size chart

| Module | Overall frame | | Door leaf | | Opening |
|--------|---------------|--------|-----------|--------|---------|
| | Width | Height | Width | Height | v/90° |
| 9x20 | 890 | 1988 | 815 | 1935 | 725 |
| 9x21 | 890 | 2088 | 815 | 2035 | 725 |
| 10x20 | 990 | 1988 | 915 | 1935 | 825 |
| 10x21 | 990 | 2088 | 915 | 2035 | 825 |
| 11x21 | 1090 | 2088 | 1015 | 2035 | 925 |



Thank you for
your attention