MUNSTER JOINERY (U.K.) Ltd.

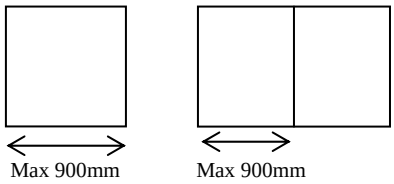
NORDIC PINE WINDOWS

Click here to view page 1 of 8

COLOURS AVAILABLE

- TEAK STAIN
- NORDIC PINE
- CEMENT GREY
- WHITE
- GREY
- IVORY
- BLACK
- RED
- GREEN
- BLUE

Maximum split or side hung sash 900mm wide
Maximum split for top hung sash 900mm wide
Maximum height of any sash 1500mm



Minimum size of manufacturable non opening window 350mm x 350mm
Minimum size of manufacturable opening window 430mm x 430mm

Standard split for top hung sash 405mm high
Standard split for side hung sash 613mm

(Note; Split is measured from outside edge of frame to centre of transom or mullion)
Any off standard split must be indicated on the sketch of the individual item on the contract,
In the case of Fire Escape Windows, F.E.W. Splits must not be mixed with special splits.,

CILLS

Pine cill available in 125mm (5”), 166mm (7”), 245mm (10”).

Height of cill 44mm

Bays and Bows

Minimum width of bay wing - fixed 440mm
Minimum width of bay wing – opening 520mm
Bay/Bow sheets for all bays and bows must be filled completely. You must specify if measurements are run of window. The overall width of splayed bays must be supplied - This is a vital check measurement.

Fire Escape Openings

Fire escape windows will normally be supplied with a butt hinge giving a 90º opening. All other windows will be supplied with friction hinges.

Minimum split(width) for side hung FEW with butt hinge 600mm
Minimum split(width) for side hung FEW with friction hinge 735mm
Minimum width for single window FEW with butt hinge 625mm
Minimum width for single window FEW with friction hinge 760mm
Minimum height for FEW 900mm
Minimum height for top over side FEW 1290mm
Minimum width for side FEW bay wing with butt hinge 715mm
Minimum width for side FEW bay wing with friction hinge 850mm

Cladding

Where a builder is fitting cladding on site to a Nordic Pine installation care must be taken to seal all exposed parts of timber – end grains etc. If this is not done moisture will be soaked up by the timber through the exposed surface which will lead to mould growth and decay**.** The coating must remain intact at all times to ensure a long life window. The builder must ensure that the coating is preserved during the build process. Any surfaces which are cut on site must have one coat of undercoating applied followed by two coats of top coat. Remember also to fill and coat any nail holes. Pay particular attention to end grains. Sikkens HLS Pine and Sikkens Filter 7 are suitable products for this purpose.

General Points

Do not order the following on pine windows:

- Swept Heads
- Crucifix joints – (use vertical bars or horizontal bars only if possible)
- Joggles
- Tilt & Turn
- No extension pieces or heavy styles
- No solid sunbursts in Arches – georgian effect only.

Avoid special splits where possible.

Any special window or door designs must be approved by the Technical Office before submitting an order.

THE MUNSTER JOINERY NORDIC PINE WINDOW

Modern methods of timber preservation mean that wood grown in temperate climates can now be treated to provide durability as well as natural beauty. For this reason Munster Joinery has developed a laminated timber window for the Irish Market. We have put a lot of company resources into researching and developing this product to ensure that it combines all of the best design features available with excellent weather performance, long life and aesthetic appeal.

Range

The window system offers the specifier enormous flexibility of design as it offers universal appearance regardless of window type. The range includes:

- top hung
  - recommended maximum sash size 900mm X 1500mm
- side hung
  - recommended maximum sash size 900mm X 1500mm
- fixed window
  - minimum fixed window size 350 X 350
- combination windows
  - standard side opening split 613mm
  - standard top opening split 405mm
- bay windows

Raw Material

The window is manufactured from laminated pine profiles specially developed for use in high performance external joinery products. These “Euro Laminated Scantlings” carry product certification from the accredited state laboratory ZLIN and are produced under a CSN ISO9002 approved Quality System. The scantlings also satisfy German DIN standards**.**

Treatment

The material is pre treated in a controlled industrial environment to prolong its life and protect against fungal decay and insect attack. Protim – one of the worlds leading suppliers to the timber pre-treatment industry, supplies the solvent-based wood preservative. It has been developed specially for the treatment of joinery products and is highly effective against woodboring insects and wet rot fungi without causing warping or twisting of timber.
Three coats of a Sikkens translucent water borne paint are factory applied by spray. The paint gives excellent adhesion and weather resistance**.**

Construction

The cill piece of the window is sloped and has coated Aluminium beading fitted to provide added weather protection. Mortise and tenon joints sealed with cascamite glue are used throughout. All sashes carry a weatherproofing seal which is colour co-ordinated with the pine coating. The width and depth of the grooves on the profile ensures strong and positive location of fittings**.**

Hardware

The friction hinge used is of extremely sturdy construction giving endurance and extended life. Its innovative profile design gives excellent ventilation within the cavity to prevent rot. The smooth performance and accessibility of the fittings make the window easy to operate and maintain.

Windows incorporating the hinge have been tested by the British Standards Institute for strength and operating characteristics and found to comply with the requirements of BS6375 Part 2. The hinge has passed corrosion testing carried out by the NDVK – The Norwegian Door and Window Control Institute**.**

Opening windows are fastened by means of locking handles manufactured from Zinc alloy with a Brass finish. The handles operate concealed espagnolette bolts to centrally lock the window.

A restrictor is available to limit the opening of the window.

The Double Glazed Unit

The double glazed unit is a 24mm Argon filled unit constructed to the highest standards to provide long life and thermal advantage over air filled units. The unit may also be specified to include low emissivity glass to maximise the thermal advantage.

The unit uses a bent and welded spacer bar (eliminating joints through which water vapour may penetrate) filled on all sides with high-grade molecular sieves. A primary PIB (Polyisobutylene) seal is applied coupled with a polyurethane outer seal to ensure a long life unit.

Where glazing is in a critical area the unit may be specified with toughened safety glass to comply with Building Regulations. The Double Glazed unit is BSI kite mark certified to BS5713 and the toughened glass used is BSI kite mark certified to BS6206.

Glazing

The window is factory glazed using a drained and vented bead system to maximise unit life. The double glazed unit is fixed using a security glazing tape and externally
beaded. Testing has shown that the adhesion provided by the tape is adequate to resist intrusion in line with the requirements of BS7950 (BSI PC PAS 011: 1994 Improved security performance of domestic windows. Method of Test and Assessment) This glazing system has been approved by the BBA. Ref. BBA Agrement Certificate No. 95/3199.

BUILDING REGULATIONS

1) ***Means of Escape in Case of Fire***. Where a window is required to provide a means of escape in case of fire, Munster Joinery UK Nordic Pine window can meet the requirements when it incorporates an opening light providing a clear opening not less than 450mm X 735mm with a minimum area of 0.33m^2 and is positioned as required by BS5588 Part 1: 1990 Code of practice for Residential Buildings.

2) ***Means of Ventilation***. The window can be readily designed to meet the rapid ventilation requirement of this regulation. Two window ventilators are available for use with the window that can achieve the background ventilation requirement of the regulation given appropriate window design.

3) ***Conservation of Fuel and Energy***. The uPVC window when glazed with a 4-16-4 Argon filled double glazed unit with K glass has a U-value of 2.0 W/m²K. This readily complies with the requirements of Part L of the Building Regulations.

4) ***Protection from Falling***. The window can be glazed so as to meet the requirements of Approved Document K2 where window openings come within 800mm of floor level. Where the window contains an opening section coming below 800mm, however, permanently fixed guarding must be put in place.

Installation

The window is installed by trained Munster Joinery personnel. The window is fixed into the opening by means of galvanised steel fitting straps fixed to the frame and attached to the masonry by means of proprietary fixings.

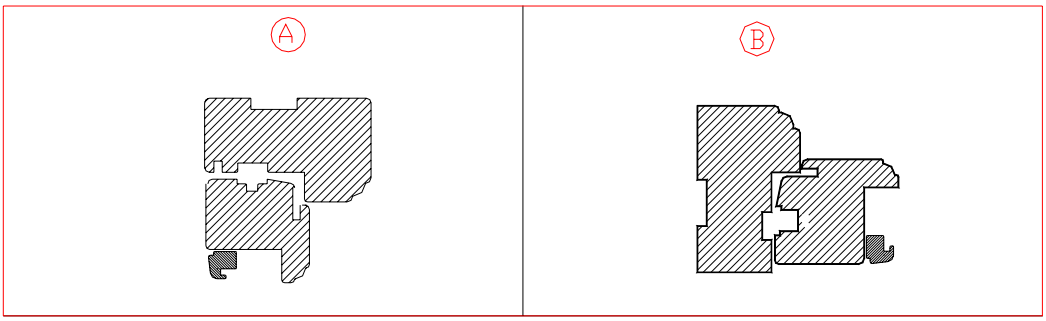
Quality

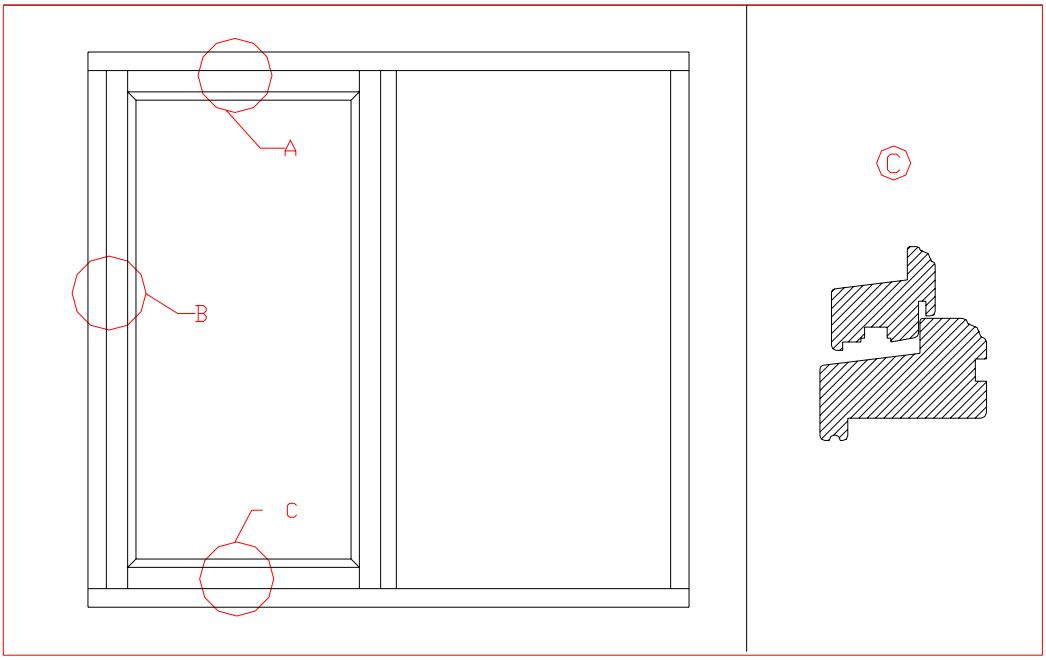
The window has been tested to BS6375 Parts 1 and 2 and achieved a 600Pa weathertightness rating. Ref. Chiltern Dynamics Test Certificate No. Chilt/P02059

The window is manufactured under an EN/IS/ISO9002 approved Quality System Ref. NSAI Certificate No. M850.

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETS		
Title: ***- Nordic Pine Window***		
Sheet No.: TSS22	**Rev: B**	**Date issued: 09.01.06**

NORDIC PINE WINDOW DETAIL





Nordic Pine Windows and Doors
Cleaning and Maintenance

This high quality Joinery product has been factory finished to ensure a long life and minimum maintenance for the owner. Follow these simple care and redecoration instructions to get the most from the product.

- ✓ The coating must remain intact at all times to ensure a long life window. The builder must ensure that the coating is preserved during the build process. In particular any surfaces which are cut on site (eg. cladding) must have one coat of undercoating applied followed by two coats of topcoat. Remember also to fill and coat any nail holes. Pay particular attention to end grains. Sikkens HLS Pine and Sikkens Filter 7 are suitable products for this purpose.

- ✓ Inspect windows regularly with particular attention to the lower areas of the window or door including glazing beads and cill. Carry out patch repairs on any small patches of coating damage as described below. Carry out the cleaning, maintenance and redecoration tasks listed below as required

- ✓ The build up of dirt on joinery surfaces encourages mould growth. Keep surfaces clean by washing with a solution of hot water and liquid detergent, frequently changing the water. Rinse thoroughly with clean water to remove all residues.

- ✓ Any yellow sticky resin exuding from the timber should be allowed to dry to a white crystalline substance before attempting to remove. Scrape off gently and wipe with a cloth dampened with methylated spirits

- ✓ Joinery on the north facing side of a building is exposed to cold and damp conditions which promote algae and mould growth on the surface. Affected areas should be treated with a solution of one part household bleach to two parts water. Allow 20minutes to act and wash off with cold water and a stiff nylon brush. Repeat whenever algae or mould appears. If this is neglected the growth may damage the coating and penetrate the timber causing permanent damage to the window or door.

- ✓ The protective coating must remain intact at all times to achieve lifetime performance. An annual inspection should be carried out. Any areas showing signs of damage to coating should be patch treated as outlined below promptly. When the lower parts of the windows and doors show signs of deterioration redecoration is required. The time taken for these signs to appear will vary depending on the climate and the level of shelter the window has. The table below gives the probable life cycle of the factory applied coating. This gives an indication of when the first redecoration should take place. Thereafter the joinery will need recoating at a slightly shorter interval – at least every five years. Follow the paint manufacturers instructions rigorously when recoating.

Nordic Pine Windows and Doors
Cleaning and Maintenance

	Climate		
Construction + Coating	**Moderate**	**Hard**	**Extreme**
Sheltered + Translucent	6 years	6 years	5 years
Sheltered + Opaque	8 years	8 years	7 years
Partly Sheltered + Translucent	6 years	5 years	3 – 4 years
Partly Sheltered + Opaque	8 years	7 years	5 years
Not Sheltered + Translucent	5 years	3 – 4 years	3 – 4 years
Not Sheltered + Opaque	7 years	5 years	5 years

(Sheltered e.g. under porch or large roof, Partly Sheltered e.g. recessed window, Not Sheltered, e.g. face of building – Moderate e.g. non-coastal area at low altitude, Hard e.g. within ½ mile of coastline, Extreme e.g. areas of high altitude or exposed coastal areas)

- ✓ To Repair any damage to coating surface - remove any manual surface damage, sand such areas lightly in the direction of the grain and remove all dust. Coat any patches of bare timber well with one coat of Sikkens HLS Pine or equivalent– following the manufacturers instructions. Ensure end grain is well coated. Denib using a fine grade wet or dry silicone carbide abrasive paper. Avoid breaking the surface of the coating system and remove all dust. Apply two coats of Sikkens Filter 7 to the patch primed areas following the manufacturers instructions. Ensure end grain is well coated

- ✓ Keep moving parts – hinges, locks, handles etc. clean and free of grit, dirt or mortar. Clean regularly. Apply an acid free oil, Vaseline or a silicone lubricant at least once a year.