



## **The Nordman Roof Tile-Sheet - Frequently Asked Questions:**

### **What colours are available in the Nordman Roof Tile-Sheet?**

Our tile-sheets are available in black, slate grey, turf brown, olive green and terracotta red.

### **Will the colour fade over time?**

Any change in colour will be uniform and will only be detectable when compared to a new section of tile-sheet. Colour fade will be minimal.

### **Can your tile-sheet be used for low pitch roof construction?**

Nordman roof tile-sheets are Agreement Certified for pitches from vertical down to as low as 4 degrees. They are therefore a perfect choice for low pitched roofing solutions.

### **What is the standard length the tile-sheets are cut to?**

Nordman Profile can produce sheets cut to measure for easy handling and transportation. It is recommended to divide the sheets into lengths of 5 metres and these are later joined with an end lap.

### **Does the end lap join effect product quality?**

No, the end lap join has been technically approved under the Agreement Certification.

### **Does Nordman Profile Ltd fit the tile-sheet?**

Nordman Profile does not have a specific contracting section but we have a list of contractors who are familiar with the product & have worked with the tile-sheet in the past. For those who have not fitted the tile-sheet before, we are available to advise & instruct on all aspects of the fitting.

### **What is the life expectancy of the Nordman Tile-sheet?**

The tile-sheet's protective Plastisol coating has a 40 to 50 year life expectancy under normal conditions.

### **The tile-sheet is made from steel; does it make a lot of noise?**

When metal is mentioned most people think of a shed or barn roof with wide spaced purlins lending to a "drumming effect". Nordman Tile-Sheets are fixed to timber battens at 350mm centres and the building with actually have insulation at ceiling. Nordman have fitted to roofs of schools, churches, hotels and offices; building types more sensitive to noise than most! Every roof has a sound factor to some degree but the Nordman Tile-Sheet is not a noisy roof covering.

### **Can you walk on the Tile-Sheets?**

You can walk on Nordman Roof Tile-Sheets but we advise that feet should be placed between the high ridges and soft shoes should be worn. Unlike other roofs breakage cannot happen. At worst, the Nordman Tile-Sheet can be dented.



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**What weight is the Nordman Tile-Sheet?**

At 5kg per square metre, a Nordman Tile-Sheet is one tenth the weight of a concrete tile and one quarter that of asbestos slate.

**Can you fit the tile-sheet to a bellcast?**

Yes, the Nordman Tile-Sheet is flexible and will fit to a gradual curve.

**In the event of an existing low pitch felt roof; will it need stripping?**

Not necessarily, an assessment will be made to ensure that the existing felt roof is still structurally sound.

**Will moss & lichen growth cause a problem?**

The Nordman Roof Tile-Sheet will not disturb moisture and has a smooth surface, therefore it is not possible for moss/lichen to grow on the surface.

**Is there any risk of wind damage?**

A properly fitted Nordman Tile-Sheet is more secure than tiles or slates during high winds.

**What resistance exists with regard vandalism?**

Nordman Tile-Sheets provide excellent resistance against vandalism as they are not easily broken. The Nordman Tile-Sheet was chosen for a specific Church & School project due to this same resistance. Standard tiles and slate had been broken while the Nordman Tile-Sheet, at worst, can be dented.

**The rafter spacing of 900mm with the Nordman Tile-Sheet is quite long.**

**Does this impede at all on structural quality?**

Due to the nature of the structure, this is a completely acceptable spacing length and is approved in our Agreement Certification.

**Can Velux windows be fitted?**

Yes, we can supply this with an EDH flashing kit.

**Will rust be an issue with steel roofing?**

The steel itself is protected with Alu-zinc and Plastisol which prevents rust. The only precaution to take is not to use an angle-grinder to cut the tile-sheet. This burns the protective coating and the cut edge will rust.

**How do I cut the tile-sheet?**

The tile-sheet can be cut with a tin-snips, jigsaw, hacksaw or nibbler. It should not be cut with an angle grinder. An angle grinder will generate a lot of heat, throw off sparks and most importantly, cause the edge to rust in the long-term.

**Why is the tile-sheet fixed in the valley?**

This prevents causing wear around the screw. This fixing method is approved in the Agreement Certification.

**What Nordman Accessories are available?**

We manufacture a full range of flashing to standard customer requirements. We also market other roofing accessories e.g Harrington & Conway Ventilation kits. For a complete list, please visit our products page.

**What is the standard batten sizing associated with the Nordman Tile-Sheet?**

The minimum size is 50mm X 38mm (2" X 1.5") and this is suitable for rafter spacing up to 900mm. Over 900mm and up to 1,200mm, the size is 50mm X 50mm (2" X 2").

**The Nordman Composite Tile Panel:****Is the Nordman Composite Tile-Panel produced in Ireland?**

No, unlike our other products the tile-panel is produced overseas in Belgium. Therefore a 6 week waiting period on orders is standard & also additional shipping costs will be incurred.

**What colours are available in the Nordman Composite Tile-Panel?**

Our tile-sheets are available in anthracite grey & terracotta red.

**Will the colour fade over time?**

Any change in colour will be uniform & will only be detectable when compared to a new section of tile-panel. Colour fade will be minimal.

**What does the insulation material consist of?**

The insulation material is Rigid Polyisocyanurate Foam (PIR) & comes in 3 levels of thickness: 40mm, 60mm & 80mm (lambda value thickness).

**Can the Nordman Tile-Panel be used for low pitch roof construction?**

Nordman composite tile-panels are Agreement Certified for pitches from vertical down to as low as 8 degrees. They are therefore a perfect choice for low pitched roofing solutions.

**What is the standard length the tile-panels are cut to?**

Nordman Profile can produce sheets cut to measure for easy handling and transportation. It is recommended to divide the sheets into lengths of 5 metres. These are later joined with an end lap.

**Does the end lap join effect product quality?**

No, the end lap join has been technically approved under the Agreement Certification.

**Do Nordman Profile Ltd fit the tile-panel?**



Nordman Profile does not have a specific contracting section but we have a list of contractors who are familiar with the product & have worked with the tile-panel in the past. For those who have not fitted the tile-panel before, we are available to advise & instruct on all aspects of the fitting.

**The tile-panel is made from steel; does it make a lot of noise?**

When metal is mentioned most people think of a shed or barn roof with wide spaced purlins with no insulation lending to a "drumming effect". Nordman Tile-Panels are fixed directly on to purlins with up to one metre & a half spacing but with insulation underneath. Nordman have fitted to roofs of schools, churches, hotels & offices; building types more sensitive to noise than most! Every roof has a sound factor to some degree but the Nordman Composite Tile-Panel is not a noisy roof covering.

**What is the life expectancy of the Nordman Composite Tile-Panel?**

The tile-panel's protective Plastisol coating has a 40 to 50 year life expectancy under normal conditions.

**The tile-panel is made from steel; does it make a lot of noise?**

When metal is mentioned most people think of a shed or barn roof with wide spaced purlins with no insulation lending to a "drumming effect". Nordman Tile-Panels are fixed directly on to purlins with up to one metre & a half spacing but with insulation underneath. Nordman have fitted to roofs of schools, churches, hotels & offices; building types more sensitive to noise than most! Every roof has a sound factor to some degree but the Nordman Composite Tile-Panel is not a noisy roof covering.

**Can you walk on the Tile-Panel?**

You can walk on Nordman Tile-Panel but we advise that feet should be placed between the high ridges and soft shoes should be worn. Unlike other roofs breakage cannot happen. At worst, it can be dented.

**What weight is the Nordman Tile-Panel?**

The tile-panel has slightly varying weight depending on the level of insulation. With 40mm thickness, the tile-panel comes in at a weight of 12kg per square metre while with a 60mm thickness, a weight of 12.5kg per square metre is met & 13kg per square metre is met at a thickness of 80mm. However, the Nordman Composite Tile-Panel is still incredibly lightweight.

**Can you fit the tile-sheet to a bellcast?**

No, the Nordman Tile-Panel is rigid and will not fit to a gradual curve.

**In the event of an existing low pitch felt roof; will it need stripping?**

Not necessarily, an assessment will be made to ensure that the existing felt roof is still structurally sound.

**Will moss & lichen growth cause a problem?**

The Nordman Composite Tile-Panel will not disturb moisture & has a smooth surface, therefore it is not possible for moss/lichen to grow on the surface.



**Is there any risk of wind damage?**

A properly fitted Nordman Composite Tile-Panel is more secure than tiles or slates during high winds.

**What resistance exists with regard vandalism?**

Nordman tile-panels provide excellent resistance against vandalism as they are not easily broken. Standard tiles & slate will break while the Nordman tile-panel, at most, can merely be dented.

**The purlin spacing of 1500 mm with the Nordman Tile-Panel is quite long. Does this impede at all on structural quality?**

Due to the nature of the structure, this is a completely acceptable spacing length & is approved in our Agreement Certification.

**Can Velux windows be fitted?**

Yes, but this is a specialized area. We can put you in contact with a contractor who deals with this area.

**Will rust be an issue with steel roofing?**

The steel itself is protected with Alu-zinc & Plastisol which prevents rust. The only precaution to take is not to use an angle-grinder to cut the tile-panel. This burns the protective coating & the cut edge will rust.

**How do I cut the tile-panel?**

The tile-panel can be cut with a tin-snips, jigsaw, hacksaw or nibbler. It should not be cut with an angle grinder. An angle grinder will generate a lot of heat, throw off sparks & most importantly, cause the edge to rust in the long-term.

**Is it available in slate appearance?**

The tile-panel is not currently available in a slate appearance. Please see details of our Nordman Roof Tile-Sheet for a slate appearance option. Insulation can then be added at ceiling level as standard.

**Why is the tile-panel fixed in the valley?**

This prevents causing wear around the screw. This fixing method is approved in the Agreement Certification.

**What Nordman Accessories are available?**

We manufacture a full range of flashing to standard customer requirements. We also market other roofing accessories e.g Harrington & Conway Ventilation kits. For a complete list, please visit our products page.

**What is the standard purlin sizing associated with the Nordman Tile-Panel?**

The ideal c/c spacing for the purlins is between 1,500mm (1m50) & 2,000mm (2m).