



**MoreRoyal<sup>®</sup>**

**UNIVERSAL AOM**

FOR PRODUCTS WITH NO  
PRODUCT-SPECIFIC AOM





## 1. PRODUCT DESCRIPTION

MøreRoyal-impregnated timber is produced from planed pine.

In addition to being pressure-impregnated with a copper-based water-soluble salt impregnation, MøreRoyal timber products are vacuum-dried in an oil bath. This process gives an almost water-resistant surface and reduces moisture movement in the wood. This increases dimensional stability, reduces moisture movement and crack formation.

Dyes can be added to the oil in the production process, resulting in dyed materials ready to use without any additional top coat required. MøreRoyal dyes are transparent, giving the materials more life and a visible wood texture. There will be difference in colour shade, because heartwood, sapwood and knots absorb different amounts of oil and dye.

Pitch deposits and resin are a natural feature when pine is used as the raw material and are part of pine's own natural impregnation. Surface deposits can occur, especially on and around knots and heartwood. Resin deposits will be more visible on darker dyes.

Laths are laid between the layers of timber stacks. Laths are also laid between MøreRoyal products during production, which means that faint stripes can appear on fresh materials.

*Resin deposits and lath marks are not a cause for warranty claims.*

Pressure-impregnation is classified according to the requirements of the impregnation standard NS-EN 351 and supplied in class AB. Impregnation helps ensure that the timber has a longer service life.

Talgø MøreTre AS is a member of Norsk Impregneringskontroll (NIK) and uses the Nordic impregnation classifications defined in the Nordisk Trebeskyttelsesråd (NTR) document no. 1. The Nordic impregnation classes are based on NS-EN 351, and correspond to impregnation class P8. The criteria for penetration of the impregnation agent are determined by the NTR. Inspections are performed by NIK twice annually. Timber that is not inspected by NIK is of unknown quality and is not classified.

### Advantages of MøreRoyal®:

- NTR-approved impregnation
- Wood protection to extend durability
- Protected by oil on all sides, giving stable material, reduced moisture absorption and fewer cracks
- Minimal leakage of impregnating fluid
- Low maintenance costs
- Lower total cost over product lifetime
- No peeling
- No microplastics
- Available in a range of colours

### Expected lifetime/service life:

It's difficult to state an exact lifetime for royal-impregnated wood, as it depends on the environment it's used in. Royal-impregnated timber will normally have a much longer service life than copper-impregnated products, which will in turn have a longer service life than raw wood.

## 2. OPERATION AND MAINTENANCE

### Washing and cleaning:

Clean the materials with water or a mild, non-solvent household detergent, and a hose with normal water pressure. Washing with other products is at your own risk. Chemicals, alkaline cleaning products and other solvent products must be avoided, as they will break down the oil in the product.

Seal all cut surfaces with MøreRoyal Wood Oil. Cut surfaces concealed inside constructions are excepted. These do not need to be treated, but corner casings and constructions that cover or protect cut surfaces must allow plenty of air to circulate, to prevent any moisture from remaining inside the construction. Other adaptation of the materials than cutting the ends can reduce service life.

Ensure that the products (class AB) are not in constant contact with soil/water, and that leaves and other dirt are not left between the boards. They will retain moisture and can reduce service life.

Impregnation does not normally prevent the occurrence of surface fungus. Fungus can grow on the surface, especially in shady areas where moisture can linger. This is quite common and does not reduce the durability of Royal-impregnated materials. Most of the fungus can be removed, but can reappear. It can be brushed off using a broom, followed by rinsing with water.

### Maintenance instructions and intervals:

Remove leaves and dirt that accumulate between the boards regularly, especially on the underlying constructions. Wash surfaces at least once a year, preferably in the spring, to remove dirt and fungus. Before applying maintenance oil, allow the wood to dry thoroughly, preferably a couple of days after being washed.

MøreRoyal-impregnated products have been treated with oil before delivery, and no more oil needs to be applied for the first few years.

Keep surfaces maintained as required. Horizontal surfaces should be topped up with oil after 6-7 years, 10-20 years for vertical surfaces. Use MøreRoyal maintenance oils with or without dye.

Apply 1-2 coats of MøreRoyal maintenance oil according to the absorbency of the wood.

Natural MøreRoyal will weather to become grey over time, whilst dyed wood will be affected by UV radiation. Impregnation with Royal oil protects the integrity of the materials, even though the dye made fade depending on the environment it is exposed to. How often you want to freshen up the dye is therefore a matter of taste, but you should count on shorter intervals than for necessary maintenance.

Møre Royal maintenance oils can be applied using a roller, brush or pad.

If the oil forms a film on the surface, there is a big risk that it will peel off later. Excess oil will also foster the growth of surface fungus. Always wipe excess oil off after application.

Surfaces treated with MøreRoyal maintenance oils remain wet on the surface after rain, as the water is not absorbed by the boards as quickly as non-oiled boards.

Resin deposits should be removed before applying new oil. Resin will normally be eroded over time by wind and weather. You can leave the job to nature. Resin and loose fibres can also be brushed off with a stiff-bristled plastic brush.

### Maintenance products:

Maintenance of MøreRoyal products requires MøreRoyal maintenance oils. These are maintenance products that have been thoroughly tested, documented and formally approved by Talgø. Please note that you must be able to prove that the right oil has been used in the event of a warranty claim and that the warranty conditions will apply. The use of other products is at your own risk.

### Moisture resistance:

MøreRoyal products have been double-treated and are resistant to warping, shrinking, swelling and splitting. Because the materials are extra-protected against changes due to constantly-varying temperatures and humidity, they will also splinter less. Nevertheless, that does not mean that splitting or splintering will never occur. Wood is a living material that adapts to its environment, and even though MøreRoyal will split and splinter less than single-treated materials (such as copper), some effects can be expected.

### Fastenings:

Use stainless steel A2 or acid-resistant A4 fastenings for MøreRoyal impregnated timber. Acid-resistant A4 fastenings must always be used in maritime and salty environments.

Avoid combinations of Royal-treated timber in direct contact with base metals such as zinc and aluminium, which can lead to unsightly stains.

### Inspection and minor maintenance:

Inspect annually to assess condition and record/repair any damage to the surfaces and constructions.

## 3. EFFECT ON THE ENVIRONMENT

### Eco-labelling:

- FSC
- PEFC
- EPD
- EcoProduct
- Grønt Punkt

## 4. HSE REFERENCES

MøreRoyal products must not be used in direct contact with food and/or drinking water. If cutting or machining the timber in a manner that will cause a lot of dust, a type P2 dust mask must be worn.

## 5. WASTE HANDLING

*Dispose of waste in accordance with NS 9431.*

### ROYAL-IMPREGNATED TIMBER:

|                |                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------|
| Waste code:    | 1142 TREATED TIMBER                                                                           |
| Handling code: | 0007 INCINERATION WITH ENERGY UTILISATION<br>0013 RECYCLING<br>6000 BUILDING AND CONSTRUCTION |
| Origin:        |                                                                                               |

### PACKAGING:

#### Laths

|                |                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------|
| Waste code:    | 1141 RAW TIMBER<br>1142 TREATED TIMBER                                                        |
| Handling code: | 0007 INCINERATION WITH ENERGY UTILISATION<br>0013 RECYCLING<br>6000 BUILDING AND CONSTRUCTION |
| Origin:        |                                                                                               |

#### Steel bands

|                |                                                           |
|----------------|-----------------------------------------------------------|
| Waste code:    | 1411 METAL PACKAGING                                      |
| Handling code: | 0014 MATERIAL RECYCLING<br>6000 BUILDING AND CONSTRUCTION |
| Origin:        |                                                           |

Royal-impregnated timber is not defined in a hazardous waste category.





## 6. TECHNICAL SERVICE

Manufacturer: Talgø MøreTre AS

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