

## Oil-treated pine

### Properties

The pine used in construction and manufacturing is typically Scots pine, which grows both wild and in forestry plantations across Europe. It is used for construction, external cladding, ceilings, etc. Outdoors, pine is typically surface-treated to increase its durability, traditionally using paint or pressure impregnation. The pine used in HITSA's outdoor furniture is oil-treated, i.e. oiled once.

The colour of the pine is yellowish-white for sapwood and more reddish-brown for heartwood. The colour patinates to grey over time.

Like all wood, pine absorbs moisture when it rains and dries out during dry periods. This can cause shrinkage cracks, which are small, thin cracks in the surface of the wood. Exposing the furniture to large temperature fluctuations can cause larger cracks to appear.

Pine is fast-growing and lightweight with a density of 490 kg per cubic metre. The lifespan of pine used outdoors is 10-25 years, with the longest lifespan achieved if the wood receives regular surface treatment.

### Use and maintenance

#### *Cleaning*

- Wash with a mild detergent and rinse with clean water
- Use wood cleaner or algaecide if necessary – follow the instructions for the specific product

#### *Maintenance*

- Woodwork should be inspected once per year. Replace damaged trim
- Pay special attention to trim that is near the ground where water and mud can splash up

#### *Surface treatment*

It is best to surface treat pine, as this will significantly extend its lifespan.

- Reapply the product every 1-3 years. Apply the product to clean, dry wood
- Depending on sun, wind and weather conditions, the treatment can be applied more often
- Always refer to the instructions and safety data sheet for the product being used

#### *End of Life guide*

- Ask your local waste management authority or disposal service for correct recycling or disposal of pressure treated pine wood