

## 7. LINSEED OIL TREATED TIMBER = ROYAL

The Royal process is used to impregnate sapwood of light to medium density timber species such as pine with a pigmented linseed oil to improve the weathering resistance of timber and to color the timber in 4 different colors – red, yellow, brown and natural.

Linseed is a natural product. By improving the weather resistance of the treated timber, the Royal process prolongs the lifetime of surface coatings applied to the surface of the timber. This reduces the costs of maintaining timber for outdoor use. For timber used in harsh climate conditions, the surface coating on Royal treated wood is expected to last 5 – 7 years, while the surface coating will have a lifetime of up to 20 years under protected weather conditions.

### 7.1 Properties

- i) Improves the weathering resistance.
- ii) Improves water repellency.
- iii) Improves UV-resistance.
- iv) Available in 4 attractive colors – red, yellow, brown and natural.

### 7.2 Limitations

- i) Since linseed oil used alone does not protect timber against biological degradation, it is necessary to combine the linseed oil with biocides that can protect the timber against decay fungus, termites and mould fungus.

### 7.3 Applications

- i) Exterior cladding.
- ii) Exterior decking.
- iii) Sound barrier
- iv) Fencing



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