

BRIGHTENER

Timber oxidation and weathering restorer

NI-DK-TDS-002 · Rev 2 · 30 August 2026 · Supersedes all previous issues

1. Description

Dekloc Brightener restores oxidised and weathered bare timber to fresh colour without sanding. It lifts the grey oxidised surface layer, removes iron staining and black spot, and evens out colour variation across a facade or deck.

Dekloc is a commercial decking system with a twenty year history. It is built from certified, naturally durable hardwood, uniquely detailed and customised for off site manufacture by licensed partner manufacturers, and delivered as a panelised system rather than as loose boards fixed in place. It is specified on resort, hospitality and public projects across the region, and is currently in production for a resort project under construction in Belize.

These preparation products come from that system. They exist because the same questions arose on every project: how the timber is cleaned before it is finished, how a weathered surface is brought back without sanding it away, and how both are done by a crew working at height on an island rather than in a workshop.

Sanding a resort's cladding or decking is expensive and it is finite. It costs labour, it costs access equipment, it removes material thickness that cannot be replaced, and on a profiled or textured board it destroys the profile. Over the life of a building a surface can only be sanded a limited number of times before the boards have to be replaced.

Restoring the colour chemically leaves the section, the profile and the surface texture intact, and it can be repeated through the life of the building. That answer came out of thirty years of commercial timber delivery and twenty years of the Dekloc system in service.

The commercial case is not the price per square metre of the chemical. It is the labour, the access and the material thickness that are not consumed.

2. Composition

A proprietary blend of organic cleaning compounds, pH buffers and non solvent surfactants, at a higher active concentration than the MTCE Wash+, with a chelating agent for use in hard and brackish water.

Free from bleach, VOCs and corrosives. Full hazardous component disclosure is given in the safety data sheet.

3. Typical properties

Property	Value
Physical form	Free flowing white powder
Solubility	Fully soluble in water at the stated dilution
Working solution	Acidic, higher strength than MTCE Wash+
Odour	Negligible

Property	Value
Colour of solution	Clear to slightly opalescent
Foam	Low to moderate

4. Substrate suitability

Suitable	Not suitable
Weathered, greyed, bare timber	Coated, varnished or painted surfaces
Timber with iron staining or black spot	Oiled surfaces, unless fully stripped first
Bare timber after mechanical stripping of a failed coating	Silicate treated timber, including Patina+
Hardwood, softwood and thermally modified timber	Surfaces with any film forming coating in place

Where a coating has failed or is peeling, it must be stripped mechanically first. The Brightener acts on timber, not on a coating, and applying it over a failing film produces a striped result.

5. Directions

- Dilute the entire contents into 10 to 12 litres of clean water per kilogram. Stir until fully dissolved and the solution runs clear.
- Wet the surface with clean water before application.
- Apply using a soft brush, mop or sprayer at approximately 240 ml per square metre.
- Dwell time 10 to 15 minutes. Do not allow the solution to dry on the surface.
- Agitate with a medium soft brush along the grain. Heavily oxidised areas may need a second application rather than harder scrubbing.
- Rinse thoroughly with clean water until run off is clear.
- Allow to dry fully before applying any finish or treatment.

Where both products are used, apply the Brightener first to restore colour, then the MTCE Wash+ if grime remains, rinsing between.

6. Coverage

Pack	Makes	Covers	Basis
800 g evaluation pot	8 to 9.6 litres	33 to 40 m ²	At 240 ml per m ²
4.2 kg pail	42 to 50.4 litres	175 to 210 m ²	At 240 ml per m ²
Per kilogram	10 to 12 litres	42 to 50 m ²	Stronger at 10 L, weaker at 12 L

Coverage figures are calculated from the stated dilution and application rate. Heavily weathered timber consumes more. Confirm on a trial area before ordering for a full project.

7. Storage and handling

- Store in the original sealed container in a dry place. The powder is hygroscopic and will cake if exposed to humidity.



- Do not store with, or apply in sequence with, alkaline products including mineral silicate treatments, without a full rinse and dry between.
- Do not mix with other cleaning products.
- Protect adjacent aluminium, zinc, galvanised steel, polished stone and glass.
- Not suitable for use with plain steel or galvanised fixings.
- Wear gloves and eye protection. Avoid breathing dust when handling the powder.

8. Limitations

Always test on a small inconspicuous area before general use. On tannin rich hardwoods the surface may lighten further than expected. Colour restoration reveals the timber beneath and cannot correct mechanical damage, deep checking or previous over sanding.

The information given is based on our testing and experience and is offered in good faith. Because substrate condition, existing coatings, water quality, dilution, dwell time, mechanical action and rinsing are outside our control, no warranty is given as to results obtained. The user must satisfy themselves as to the suitability of the product for their purpose by trial on a small representative area. Nautilus Innovation accepts no liability for damage to existing surfaces, adjacent materials or finishes. Compliance with the safety data sheet is a condition of use.