

Progren Bamboo

Maintenance Instruction (Progren High-Durability Decking Series)

1. Maintenance Principles

When performing maintenance approximately 2–3 years after installation, first inspect the decking surface for color retention and coating condition. If any of the following conditions are observed:

1.1 Minor Weathering

If the surface shows no chalking, peeling, cracking, or severe coating failure, and only exhibits slight color fading, gloss reduction, or minor surface hairline marks, a simple maintenance coating is sufficient.

1.2 Major Damage

If localized damage, coating failure, delamination, or substrate exposure is observed, a more comprehensive repair procedure is required.

Please contact your local supplier for technical support.

2. Inspection and Treatment Standards

Item	Condition	Recommended Treatment
Surface Layer	Minor or visible scratches, whitening marks	Lightly sand by hand using sandpaper above 320 grit, then apply a clear coating or a coating close to the original color
Cut Ends	Fresh cuts or exposed end grain	Seal with protective coating
Coating Adhesion	No peeling or chalking	Apply one coat of finish coating
Color Change	Slight fading, acceptable color variation	Apply one coat of primer and one coat of finish coating
Surface Condition	Light wear or slight fiber raising	Lightly sand by hand using 320+ grit sandpaper, then apply two coats of primer and one coat of finish coating
Coating Damage	Local peeling, cracking, blistering, or mechanical damage	Repair with matching touch-up coating, then apply two coats of primer and one coat of finish coating
Substrate Exposure	Bamboo visible or signs of delamination	Complete refurbishment required: anti-mildew treatment, base color coating, repair coating, primer, and finish coating

3. Refinishing Procedure

Step 1 – Surface Inspection

Inspect the existing coating condition.

- If the coating remains intact, proceed directly to Step 2.

- If peeling, cracking, or severe damage is present, repair the damaged areas with color coating and intermediate coating before refinishing.

Step 2 – Surface Sanding

Lightly sand the surface using fine sandpaper (320–400 grit) to remove contaminants, weathered fibers, and minor imperfections.

Step 3 – Cleaning

Remove all dust and debris using a lint-free cloth or compressed air. The surface must be clean, dry, and free from oil, grease, and contaminants to ensure proper adhesion of the new coating.

Step 4 – Recoating

Apply 1–2 coats of coating by roller or spray application.

- Minimum coating consumption: **80 g/m² per coat**
- Water-based or solvent-based coatings may be used depending on site requirements.
- Allow natural drying or adequate ventilation during curing.

Under normal conditions, the coating film will stabilize within approximately **24 hours**, after which the decking can be returned to service.

4. Maintenance Recommendations

4.1 Harsh Environments

For installations exposed to severe weather conditions such as:

- Strong UV radiation
- High humidity
- Frequent rainfall

inspection is recommended within the first **2 years** after installation. Preventive recoating can significantly improve long-term weather resistance.

4.2 Color Restoration

For projects requiring color rejuvenation, tinted coatings (transparent coatings with added pigments) may be used to restore appearance and improve color uniformity.

5. Important Notes

1. Whether the original color coating needs to be renewed depends on the integrity and adhesion of the existing colored coating layer.
2. If the intermediate coating layer remains sound and has not significantly deteriorated, applying a transparent or tinted maintenance coating is usually sufficient to restore appearance and protection.
3. If chalking, peeling, coating failure, or substrate exposure has occurred, the complete refurbishment procedure must be followed.

Please contact your local supplier for guidance.

4. This product is designed with a **maintainable weather-resistant coating system**. Through periodic inspection and maintenance, the service life can be significantly extended to **15–25 years or even longer**, depending on environmental conditions and maintenance frequency.