

## Maintenance and Warranties Equipment

- BB01 BASKETBALL GRIZZLY HOOP**
- BB02 BASKETBALL / NETBALL ADJUSTABLE HOOP**
- BB03 FOUR WAY HOOP**
- BB04 HIGH FIVE SEAT**
- BB05 SOLAR PARK LIGHT**
- PP01 PING PONG TABLE**
- VB01 VOLLEYBALL PERMANENT NET & POSTS**

Parklife's equipment receives heavy use and is subject to players slam-dunking, hanging off the hoop, climbing on the equipment, wind loads, fatigue loading, coastal conditions, and vandalism in unsupervised outdoor environments.

The owner's responsibility is to maintain a program of routine inspections and maintenance per the Parklife Terms and Conditions and ensure maintenance is site and use-specific.

Parklife is to be contacted immediately if any issues are detected.

Parklife must authorise any repairs and supply replacement parts. Failure to do so voids the warranty and may result in severe injury or death.

As the Basketball Hoop's stability relies on a single post, periodic inspections are necessary to ensure public safety.

The following is a guideline only.

### General

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All routine inspections and maintenance must be documented, recorded, and signed by the individual responsible.

Routine inspections and maintenance are the sole responsibility of the owner.

Inspections are to be carried out by a competent person.

A Maintenance Record must be completed noting the date, the type of maintenance (weekly, monthly, annually), comments, completed by and signature.

Pesticides and herbicides are to be kept well clear of the equipment.

Vehicles (including maintenance mowers) must be kept at least 2m from the equipment.

Shrubs are to be maintained at least 1m from the equipment.

New trees are to be planted at least 4m from the equipment.

## Installation

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Ensure the equipment was installed as per Parklife's installation drawings.

Post-construction soils, including concrete or mortar, should be removed from the protective coatings as soon as possible. See the Coatings Specific section below for more information.

Contact Parklife for a Touch-up Kit to make good any minor damage incurred to the coatings during transport and installation.

## Daily Routine Visual Inspection

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*Inspection intended to identify apparent hazards resulting from everyday use, vandalism, or weather conditions - NZS 5828:2015*

Check that the net is attached and note its condition.

Check no dunking warning sign is present and note its condition.

Check that all bolts, washers, and nuts are present.

Check metalwork, welds, and coatings for damage, scratches, and rust.

## Monthly Operational Inspection

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*Inspection, more detailed than routine visual inspection, to check the operation and stability of the equipment - NZS 5828:2015.*

Carry out a detailed visual inspection, including but not limited to:

Check that all bolts, washers, and nuts are present and correctly torqued.

Check metalwork, welds, and coatings for damage, scratches, and rust.

Check footing for any movement.

Check the court for cracking of the concrete/asphalt around the equipment base that may cause water to penetrate the footing.

## Annual Main Inspection

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*Inspection intended to establish the safety of equipment, foundations and playing surfaces - NZS 5828:2015.*

Carry out a detailed inspection by an independent third party, including but not limited to:

Check that all bolts, washers, and nuts are present and correctly torqued.

Check metalwork, welds, and coatings for damage, scratches, and rust.

Check footing for any movement.

Check the court for cracking of the concrete/asphalt around the equipment base that may cause water to penetrate the footing.

Carry out an Independent Third Party Inspection.

## **Coatings Specific Protective Coatings**

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These recommendations are intended to ensure that the protective coatings will remain effective as long as possible before requiring recoating or reapplication.

The following is NOT a guarantee or warranty as to the life (durability) of the coating(s).

According to this document, factors outside Parklife's control may affect the coating system's durability even when maintained.

## **Coatings Specific Powdercoating**

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These recommendations are intended to ensure that the protective coatings will remain effective as long as possible before requiring recoating or reapplication.

The following is NOT a guarantee or warranty as to the life (durability) of the coating(s).

According to this document, factors outside Parklife's control may affect the coating system's durability even when maintained.

## **Graffiti**

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Parklife should be contacted should the equipment be graffitied so they can best advise the right strategy to remove.

## Contacts

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<b>Supplier</b>	Parklife 09 871 0256 <a href="mailto:info@parklife.co.nz">info@parklife.co.nz</a> <a href="http://www.parklife.co.nz">www.parklife.co.nz</a>
<b>Structural Engineers</b>	ACH Consulting Engineers (Design Certifiers) 09 839 7050 <a href="mailto:info@achconsulting.co.nz">info@achconsulting.co.nz</a> <a href="http://www.achconsulting.co.nz">www.achconsulting.co.nz</a>
<b>Independent Third-Party Inspections</b>	Materials and Testing Laboratories 09 579 0262 <a href="mailto:sales@mtlabs.co.nz">sales@mtlabs.co.nz</a> <a href="http://www.mtlabs.co.nz">www.mtlabs.co.nz</a>

## Warranties

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<b>BB01 BASKETBALL GRIZZLY HOOP</b>	<b>5 years (excludes net)</b>
<b>BB02 BASKETBALL / NETBALL ADJUSTABLE HOOP</b>	<b>5 years (excludes net)</b>
<b>BB03 FOUR WAY HOOP</b>	<b>5 years (excludes nets)</b>
<b>BB04 HIGH FIVE SEAT</b>	<b>5 years</b>
<b>BB05 SOLAR PARK LIGHT</b>	<b>5 years (2 years light unit)</b>
<b>PP01 PING PONG TABLE</b>	<b>5 years</b>
<b>VB01 VOLLEYBALL PERMANENT NET &amp; POSTS</b>	<b>5 years</b>

The warranty only applies to correctly maintained products.

It does not cover any damage caused by accident, improper care, negligence, normal wear and tear, cosmetic issues, misuse, vandalism, and repairs carried out by any third party not approved by Parklife.

Any alterations to the product or replacements of third-party parts that do not comply with the certified, engineered design will void the warranty.

To ensure public safety, any repairs must be done by Parklife or a Parklife-approved repair agent using Parklife-supplied parts.

Subject to Parklife Terms and Conditions.



# Maintenance and Cleaning of Protective Coatings Applied To Mild Steel

## Introduction

These recommendations are intended to ensure that the protective coatings will remain effective as long as possible before requiring recoating or reapplication.

This document is **NOT** a guarantee or warranty as to the life (durability) of the coating(s). Even when maintained in accordance with this document, factors outside the control of PPG may affect the durability of the coating system.

## Inspection

Protective Coatings should be inspected regularly to ensure that any damage or corrosion is noted and rectified. Major inspections should be carried out by a suitably qualified Coatings Inspector (NACE, ACA, CBIP) or by a qualified representative of the supplier / manufacturer / applicator of the coating. The actual period will depend on how aggressive the environment is. This could be at least every 5 years in the most aggressive of environments. A qualified Coatings Inspector should carry out a full inspection of the painted steel elements every 10 years.

Repairs to the coating system should be carried out in accordance with the recommendations of coating manufacturer. Once the coating system has reached the end of its useful life (Life to First Major Maintenance), the coating system should be reapplied or replaced by an approved applicator, experienced in the application of structural steel protective coatings.

Maintenance coating inspections can be carried out by any person to identify areas of damage or corrosion that may require rectification. The best time to do this is during a regular cleaning cycle.

## Cleaning

Cleaning should be carried out on a regular basis. The actual period will depend on the environment that the structure is located in, but should be no less than annually in an AS/NZS2312.1:2014 C2 – C3 Atmospheric Corrosivity Category (ACC). In an aggressive environment such as a sea spray zone or C5M ACC this may be as little as every 3 months.

Post construction soils, including concrete or mortar etc., should be removed as soon as possible. The exact procedure for cleaning will vary depending on the nature and degree of soil. Method of cleaning, type of cleaner, etc., of one component of the building must be used with consideration for other components such as glass, sealants, painted surfaces, etc.

The absolute minimum method of cleaning employed is to be a fresh water wash down using a minimum 5000psi pressure washer. Should there be heavier deposits of dirt, body oils and fats or biological growth, a mild detergent or cleaning agent may be required. Follow all Council rules and guidelines with regards to runoff from the washing process. Where necessary, gentle scrubbing may be required – use only sponges, cloths or soft bristled brushes to prevent damage to the coating.

If large areas of corrosion are noted during cleaning, a qualified person as outlined in the “Inspection” paragraph should be engaged to inspect the steel elements that are painted and recommend any remedial action.

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TECHNICAL ADVICE

# Care and Maintenance of Powder Coated Surfaces

**Dulux**<sup>®</sup>

**POWDER COATINGS**



New Zealand

**Worth doing, worth Dulux.<sup>®</sup>**



## Worth doing. Worth Dulux.®

Dulux powder coatings are the ideal choice for the long term protection of your aluminium and steel projects.

To ensure the life of your asset is maximised and to comply with Dulux warranty requirements, a simple and regular maintenance program should be implemented.



## Protect your powder coating from the environment

The frequency of recommended cleaning will vary depending on:

- The environment – if it is dry, has minor condensation, has high moisture or has significant contamination (interior); or a city, rural, industrial or coastal environment (exterior)
- The conditions – if it is a general or moderate condition (interior) or a mild or severe condition (exterior)

Some of the influencing factors that can impact the life of the powder coating include:

- Ultra violet light
- Levels of atmospheric pollution including salts, dirt, grime that can all accumulate over time
- Winds carrying air borne debris that can cause erosive wear of the coating e.g. sand causing abrasion
- Change in environmental circumstances e.g. if rural became industrial
- Microclimates e.g. geothermal, alkaline or acidic

## Recommended care and maintenance schedule

It is recommended in environments with low salt, low pollutant and urban areas cleaning should take place at a minimum of every twelve months.

In areas where salts, pollutants and high corrosivity levels are prevalent, e.g. beachfront houses or industrial areas, it is recommended a cleaning program should be carried out more frequently at a minimum of every six months.

Sheltered areas can have a higher risk of coating degradation as wind-blown salt and other debris or pollutants may adhere to the surface and not be removed when it rains. These areas may require more frequent cleaning.

Use the following table which references AS2312.1, SNZ TS 3404 and ISO 9223 to identify the environment, conditions and atmospheric corrosivity categories.

Conditions	Corrosivity Zone	Example Environments	Recommended Minimum Cleaning
Mild	C2 Low	Arid, dry, urban, inland, city	Every 12 months
	C3 Medium	Light industrial, geothermal (>500m from source) and inland coastal (mild sea spray zone)	Every 6 months
Severe	C4 High	Sea shore (medium sea spray zone), offshore Islands and or geothermal (<500m from source)	Every 6 months
	C5 Very High	Sea shore (high sea spray zone e.g. surf), offshore Islands	Every 3 months
	C5 Very High	Heavy industrial	Every 3 months
General Interior	C1 Very Low	Dry interiors (homes, offices, shops)	Every 12 months
	C2 Low	Minor condensation (warehouses, sports halls)	Every 12 months
Moderate Interior	C3 Medium	High moisture (dairy and food processing plants, breweries, and commercial laundries)	Every 6 months
	C4 High	Significant contamination (swimming pools)	Every 3 months

## How to clean your powder coating

### Clean your powder coating in 3 easy steps

Care and maintenance schedules are essential to ensure that the life of your asset is maximised whether the project be a residential, commercial or non-habitable project. Simply follow 3 important steps:

1. Carefully remove any loose surface deposits with a wet sponge by gently rubbing.
2. Clean by gently rubbing the surface with a soft brush (non-abrasive) and a dilute solution of a mild detergent, e.g. pH-neutral liquid hand or dishwashing detergent in warm water to remove dust, salt and other deposits. For stubborn stains use only recommended solvents on the affected area, e.g. Isopropyl alcohol (IPA) or methylated spirits and rinse off with clean water. Do not use other aggressive solvents. Alternatively you can use Selley's Powder Coating Cleaning Wipes for non stubborn stains.
3. Rinse the surfaces with clean fresh water after cleaning to remove all residues.

### The Do's & Don'ts of protecting your powder coating

Do	Don't
✓ Protect all powder coated joinery	✗ Use aggressive solvents <sup>1</sup>
When building, renovating, plastering or painting around powder coated assets use approved tapes and films in accordance with the manufacturer's instruction.	Do not use turpentine, white spirits, thinners, citrus based cleaners or other aggressive solvents on powder coating.
✓ Remove unwanted paint & sealants	✗ Rub powder coated surfaces excessively
Ensure all paint splatters or excess sealant are immediately removed before they dry.	Do not rub powder coated surfaces excessively, especially metallic finishes.
✓ Use recommended solvents for stubborn stains only	✗ Allow sunscreen to come into contact with coated surfaces
Use only Isopropyl alcohol (IPA) or methylated spirits and rinse off with clean fresh water.	It is universally recognised some sunscreens adversely affect powder coated finishes.
✓ Regularly inspect	✗ Neglect recommended care and maintenance schedules
Inspect your powder coating often and clean more regularly if required	To comply with Dulux Alumi Shield™ and Steel Shield™ powder coating warranties the recommended care and maintenance schedules must be adhered to.
✓ Clean in mild conditions	
Clean powder coated surfaces when the surface temperatures are below 25°C	

1. Non approved solvents can cause damage that may not be visible immediately and may take up to twelve months to appear.

For full details on Alumi Shield™ and Steel Shield™ warranties including terms and conditions:

Visit [duluxpowders.co.nz/warranties](http://duluxpowders.co.nz/warranties)

Or call 0800 800 975

## Further information

Industry information for the care of windows is available from:

- The Australian Glass and Window Association at [agwa.com.au](http://agwa.com.au)
- The Window and Glass Association of New Zealand at [wganz.nz](http://wganz.nz)

The following industry standards can be referred to:

- AAMA 609 & 610
- AS 3715

**The project:** The Lyttelton Boat Shed, Lyttelton, NZ

**Company name:** Julie Villard

**Photo credit:** Julie Villard

**2020 Dulux Colour Awards**

**Finalist:** Single Residential Exterior



## Advice line

Our dedicated consultants can help simplify the specification process, saving you time and money by providing the right coating advice for your project. They can provide:

- Documented project specific specifications
- Written confirmation of your project's eligibility for an Alumi Shield™ or Steel Shield™ warranty
- Design, coating system and colour advice

Call 0800 800 975 or visit [duluxpowders.co.nz](http://duluxpowders.co.nz)

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