



	<b>Data Sheet</b>	
	Date of Issue	20 Dec 2010
	Document Ref	4450
	Version No	5
	Date Printed	21 Feb 2011

## AQUACARE® 4450 UV Revive



### Important Information

Mirotone only warrants the quality of the product in the can. It is your responsibility as the user, before application, to ensure that the coating system meets your requirement and is fit for the intended purpose.

### Product Description

AQUACARE® 4450 UV Revive is a clear sacrificial waterbased maintenance coating for interior UV coated prefinished timber floors. It has been specifically designed to protect and enhance UV coated prefinished and floating timber floors. AQUACARE® 4450 UV Revive results in a semi gloss protective finish. For interior use only.

### Features & Benefits

<b>Easy to Apply:</b>	Can be applied by lint free mop or water based applicator no technical skill necessary.
<b>Safe to Use:</b>	Water based, low odour formulation.
<b>Fast Drying:</b>	Minimal disruption to building occupants.

### Typical Applications

- Maintenance coat over UV coated prefinished and floating timber floors.
- Not suitable for external application or wet areas e.g. bathrooms or around swimming pools

**Caution: The floor will be slippery when wet.**

### Product Properties

<b>Colour</b>	Milky (Clear when dry)
<b>Gloss Level</b>	Semi Gloss
<b>Water Resistance</b>	Very Good
<b>Hardness</b>	Very Good after full cure
<b>Levelling &amp; Flow</b>	Excellent

### Product Approvals

AQUACARE® 4450 UV Revive have been evaluated for pedestrian slip by third party, Advanced Technology Testing & Research (ATTAR) against AS/NZS 4586. The coating systems passed the requirements of the standard for "Dry Slip Resistance" and accordingly the products are classified as Dry = F.

Certificates are available upon request.

### Application Methods

Application Equipment: A clean lint free mop or squeegee sponge mop or waterbased applicator. A paint edger pad can be used to "cut-in" around skirting boards and edges.

### Application Time

8 hours once exposed to the environment, however this will vary depending upon temperature and atmospheric conditions.

Only pour out sufficient product to complete the job. Replace lid immediately as exposure to the environment can cause product quality & performance to be affected.

Once the can is opened the product should be useable for 2-4 weeks provided the lid is replaced immediately after pouring the amount of finish required for each tray.

**DO NOT RETURN UNUSED PRODUCT TO THE CAN.** This will cause the remaining material to become contaminated and will lead to viscosity increase and a change in the flow characteristics of the product.

### Application of AQUACARE Revive

Allow all solvent based coatings e.g DURAPOL, NATUROIL & POLYTHANE to thoroughly dry (between 7-10 days at 20-25°C) before applying any Polycure AQUACARE Revive.

**Note:** Low temperatures and damp environments will retard the drying of all coatings.

### Thinning (Additives)

Thinning is not required.

### Approximate Drying Times @ 20°C

**Dry:** 30-60 minutes

**Recoat:** 2 hours

**Full Cure:** 8 hours (Overnight)

**Note:** Low temperatures or heavy film thickness may retard drying times and cause frying upon application of subsequent coats. Direct sunlight and draft during drying may affect the final gloss level of the coating

### Shelf Life

See product label for Use-By date. All products must be stored in sealed containers below 25°C. Do not use product if past Use-By date.

### Coverage (theoretical)

Approximately 40-50m<sup>2</sup> per litre.

**Note:** The coverage is dependent on the porosity of the substrate.

### Packaging

Product	Can Size	Net Contents
AQUACARE® 4450 UV Revive Semi Gloss	1 Litre	1 Litre

5 Litre

5 Litre

## Equipment Clean Up

All equipment must be cleaned with water. DO NOT allow coating to dry on equipment.

## Application System

### Surface Preparation

Wash floor with AQUACARE® 4420 Floor Clean - ensure floor is clean and dry.

### Application

- With a water damp mop, squeegee or water based applicator apply an even coat of AQUACARE® Revive. Allow to dry completely (approx one hour).
- Apply a second coat and allow to dry completely.
- For best results apply a third coat.

### Buffing

- Allow adequate drying time between coats of AQUACARE® Revive so as to avoid "tearing" of the polish when buffing.
- If AQUACARE® Revive is applied to the floor within 24 hours of applying the final coat of an AQUAPRO® coating system, then allow AQUACARE® Revive at least 24 hours (preferably longer) to dry before attempting to buff the floor.
- The recommended equipment for buffing AQUACARE® Revive is a slow to medium speed buffing machine fitted with a soft pad to avoid scratching the polished surface.

## Warnings

**!** **Follow Directions:** Carefully read the contents of this Data Sheet and the associated Material Safety Data Sheet (MSDS). Please do not apply this product unless:

- You have a MSDS in your possession,
- You fully understand these important documents and;
- You are prepared to follow all directions.

**!** **Not Recommended:** This product is not recommended for the following applications:

- Exterior exposure
- Wet areas
- Non timber related substrates
- Spray equipment (May be sprayed if the correct safety equipment is worn - check MSDS for details).

**!** **Damage caused by sharp objects:** Coatings can be damaged by sharp objects, due care should be taken in high traffic environments.

**!** **High Humidity and Moisture In-Service Environments:** All wood will swell and discolour if allowed to come into contact with water vapour. The protection provided by a coating is dependent on the moisture transmission of the coating and on the thickness of the dry coating film applied. Coated sharp edges are usually the most vulnerable to damage either from the coating being removed or by inadequate film builds in high wear / traffic areas. Special care during sanding and coating should always be given to sharp edges as coatings do not build as well onto them, resulting in reduced protection in high moisture environments.

**!** **Damp Wood:** Do not apply coatings over damp timber (moisture content greater than 15%) or allow the wet coating to be exposed to water or dew during the first hour of drying or blooming (whitening) may occur.

**!** **High Humidity at Time of Application:** Application of coatings at high humidity will:

- Speed up the drying process and reduce the pot life of polyurethane coatings.
- Increase the risk of blooming (whitening).
- Blooming may occur if the coating is applied over damp wood or exposed to water or dew during the first hour of drying.

**!** **Cold Temperature:** Application of any coating at low temperatures will reduce the general in-service performance of the coating due to reduced cross linking of the coating. Application below 15°C is not recommended.

**!** **Curing:** Complete curing of the coating will take up to 10 days, dependant on the weather, during this time floors should not be walked on with street shoes. Care should be taken to avoid dragging furniture over the surface; use protective pads on furniture legs. To extend the life of the floor, mats should be used in doorways to remove dirt and grit from feet. Timber, cork and parquetry are relatively soft materials and permanent impressions may be left in the surface by stiletto heels or sharp furniture, even when coated with a polyurethane finish.

**!** **Temperature Extremes:** Application of any polyurethane coating at low temperatures (below 10°C) and high temperatures (above 35°C) will reduce the general in-service performance of the coating due to inferior cross linking of the coating. Application below 10°C or above 35°C is not recommended.

**!** **Inter-coat Adhesion:** To ensure sound inter-coat adhesion, thoroughly sand between coats. To reduce the potential for adhesion failure in the field, Mirotone strongly recommends it's customers carry out regular and appropriate quality control testing of their production output.

**!** **Maintenance:** Floors must be swept frequently and washed with AQUACARE 8440 Floor Clean Concentrate (Caution: Floors will be slippery when wet). To avoid having to resand the floor back to bare timber or cork the surface must be re-coated before it has worn through.

**!** **Temperature & Sunlight:** Clear coatings do not permanently protect wood from the ageing/discolouration effects of temperature and sunlight. Even when UV absorbers are present in a coating they will sacrificially break down over time and eventually no longer help to protect the substrate.

**!** **Timber Failure:** Over thinning of this product on the first coat may contribute to "edge bonding or glueing". Users must satisfy themselves that the timber is properly acclimatised and has reached an equilibrium moisture content suitable for the planned inservice environment before coating the floor.

## Health & Safety

Refer to Material Safety Data Sheet (MSDS).

**Ensure that all Personnel using this product have read and understood this data sheet and the associated MSDS and packaging label before using this product.**

**Engineering Controls:** Avoid inhalation of vapour or sanding dust by maintaining adequate ventilation. Avoid pockets of vapour. This is normally achieved by applying the coating system in a well ventilated area. If inhalation risk exists the operator must wear a respirator. Refer to MSDS for recommended respirator.

**Personal Protection:** Contact with any chemical should be avoided. Avoid contact with skin and eyes, and avoid breathing the vapour. Wear suitable protective clothing including rubber or PVC gloves and safety goggles. When using, do not eat nor smoke. Take off immediately all contaminated clothing.

## Mirotone/Polycure Accreditations

**Quality System:** Mirotone is certified to AS/NZS ISO 9001:2008 Quality management systems.

## Mixed System Policy

A Mixed System is:

Where any coating or additive manufactured by another coating manufacturer is applied under, between, in, or on top of, coatings manufactured by Mirotone. [Additives may include thinners,

retarding solvents, hardeners, flow additives, stains or catalysts]; or

Where products manufactured or supplied by Mirotone are used in a manner not approved or recommended by Mirotone on its labels or Data Sheets.

Policy: Mirotone will not recognise any warranty claim from customers or third parties if any Mirotone product has been used in a Mixed System with other manufacturers' products or additives. Mirotone can only warrant the quality of its own range of coatings when used in strict accordance with the recommended coating systems thinners and additives stated on Mirotone's labels and Data Sheets.

### Limitation of Liability

**This Data Sheet is based on information in Mirotone's possession at the "Date of Issue" above. Later experience may lead to amendments. Users should check with Mirotone to ensure that this Data Sheet is still current.**

The information contained in this Data Sheet is based on data appraised in our Laboratories and on our own research, and that of others whose work we believe is reliable. Due to possible differences between controlled laboratory test conditions and methods, and actual application conditions and methods, coupled with possible differences in interpretation of results, the user of this product must satisfy himself that the end result obtainable under his particular application conditions meets his requirements. Special attention is directed to the problem of chemical compatibility, as Mirotone can control only the quality and formulation of its own materials. Mirotone has no control over quality, formulation or consistency of other manufacturers' products or the substrate to which its product is applied. Therefore Mirotone supplies its products only on condition that the consumer himself is satisfied as to the performance of the product in meeting his particular requirements.

### Mirotone Contact Details

#### Australia (Mirotone Head Office)

Mirotone Pty Ltd  
21 Marigold Street  
Revesby, NSW, 2212  
Australia  
PH: +61 2 9795 3700  
Fax: +61 2 9771 3601

**24 Hour Emergency No. +61 1800 039 008**

#### Malaysia

Mirotone (Malaysia) Sdn. Bhd.  
No. 9 Jalan Sejahtera 25/124 Section 25  
Axis Premier Industrial Park  
40400 Shah Alam, Selangor  
Malaysia  
PH: +60 3 5124 6136  
Fax: +60 3 5124 6137

#### China

Persee China  
No. 55, Kai Gui Road, Hi Tech Industrial Park  
Yushan Town, Kunshan City  
JiangSu Province  
China  
PH: +86 512 57797745 ext 136  
Fax: +86 139 62652189

#### New Zealand

Mirotone (NZ) Ltd  
32 Cryers Road  
Auckland 1730  
New Zealand  
PH: +64 9 272 2730  
Fax: +64 9 272 2733

#### Chile

South Trading & Services S.A.  
Avda. Ricardo Lyon 3505  
Nunoa, Santiago  
Chile  
PH: +56 2 205 5412  
Fax: +56 2 223 4369

#### Philippines

Cebu Furnitech Marketing Inc  
Francisco Yang Building  
Warehouse #1 Mabini Street  
Looc Mandaue City 6014  
Cebu Philippines  
PH: +63 3 2420 2968  
Fax: +63 3 2346 0616

#### India

Forhands International  
3 Kothari Complex  
Basni Road, Opp Diesel Shed  
Jodhpur-342005 (Rajasthan)

#### Thailand

Mirotone (Thailand) Co., Ltd.  
83 Moo 4 Poochaosamingprai Rd  
Samrong Klang, Prapradaeng

India  
PH: +91 291 325 0563  
Fax: +91 291 263 7148  
Email: [forhandsinternational@gmail.com](mailto:forhandsinternational@gmail.com)

Samutprakarn 10130  
Thailand  
PH: +66 2 754 4451  
Fax: +66 2 754 4450

[www.polycure.com.au](http://www.polycure.com.au)

