



Data Sheet

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AQUACARE® 4400 Revive Gloss & 4412 Revive Satin



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.

Environmental Health & Safety



- Low Odour
- Non Class 3 Flammable

Product Description

AQUACARE® 4400 Revive Gloss & 4412 Revive Satin are clear sacrificial waterbased maintenance coatings for interior timber floors. They have been formulated to be applied to floors which have been previously coated with a full conventional solvent based (Polyurethane and Oil) or waterbased coating system. They provide a quick and easy alternative to re-coating and they are designed for application by both domestic homeowners and commercial floor maintenance operators. Application of these products will improve the scuff and black heel mark resistance of the floor. They will assist in "bringing your floor back to life" by hiding fine scratch marks and other minor surface imperfections, thereby improving the appearance of your floor between periodic recoats. Being waterbased they are environmentally friendly products which are safe to use. They are for interior use only.

Features & Benefits

Easy to Apply:	Can be applied by lint free mop or water based applicator no technical skill necessary.
Safe to Use:	Water based, low odour formulation.
Fast Drying:	Minimal disruption to building occupants.
Versatility:	Can be used to rejuvenate floors that have been previously coated with an AQUAPRO®, NATUROIL® or DURAPOL® coating system.

Typical Applications

- Maintenance coat over previously coated interior timber flooring or particleboard flooring.

Product Properties

Colour	Semi Transparent
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Gloss Level	Gloss & Satin
Solvent Resistance	Good
Sandability	Very Good
Build	Very Good
Water Resistance	Very Good
Hardness	Excellent after full cure
Levelling & Flow	Excellent

Product Approvals

AQUACARE® 4400 & 4412 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

3 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.

Thinning (Additives)

Thinning is not required.

Approximate Drying Times @ 20°C

Dry: One hour

Full Cure: 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 25m² per litre.

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

Packaging

Product	Can Size	Net Contents
AQUACARE® 4400 Revive Gloss	1 Litre	1 Litre
	5 Litre	5 Litre
AQUACARE® 4412 Revive Satin	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.

Recoating Floors Previously Coated with AQUACARE Revive

- 1) Mix 1 part AQUACARE 4430 Floor Clean & Degreaser by volume with approximately 3 parts water. Add less water to increase the strength if required.
- 2) Mop over the surface of the floor that has been previously coated with AQUACARE Revive. Allow 5-10 minutes to penetrate.
- 3) Work the wet surface with a rotary sanding or polishing machine fitted with a suitable nylon stripping (black) pad. This process will need to be conducted over the entire floor area including all edges and corners to ensure the AQUACARE Revive is removed.
- 4) A grey sludge will be formed on the floor area, this residue needs to be removed by mopping with a clean mop rinsing with clean water. Depending on the amount of AQUACARE Revive that has been applied to the floor area this process may have to be conducted several times to ensure that all of the AQUACARE Revive has been removed.
- 5) Once this process has been completed the surface should be dull and burnished in appearance.
- 6) To ensure that all of the AQUACARE Revive and Floor Clean & Degreaser has been removed and neutralised, wash floor with AQUACARE 4420 Floor Clean prior to recoating.

Note: In cases where NATUROIL or AQUAPRO coatings are to be applied, thorough stripping and sanding of the surface must be conducted. Ensure all traces of AQUACARE Revive have been removed prior to application of any coating. Thorough sanding of the stripped surface with a 120 screenback to create a sound mechanical key is required between all coatings to ensure adequate intercoat adhesion.

Before applying any AQUACARE Revive coatings on any dance floor contact a Polycure Representative to assess product suitability.

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 its customers carry out regular and appropriate quality control testing of their production output.

! Maintenance: Floors must be swept frequently and washed with AQUACARE 4420 Floor Clean (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: Before coating bare timber ensure that the timber is acclimatised to the appropriate equilibrium moisture content for its installed location.

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

Research Laboratory: Mirotone's head office research laboratory in Sydney, Australia holds N.A.T.A. accreditation No. 865 under ISO/IEC 17025:1999 General Requirements for the Competence of Testing and Calibration Laboratories.
N.A.T.A. - National Association of Testing Authorities

Quality System: Mirotone is N.A.T.A. certified to AS/NZS ISO 9001:2000 Quality Systems for design and manufacturing.

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 compatability, 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.

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