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|  <h1 style="margin: 0;">MIROTONE</h1> <p style="margin: 0;"><i>Leading the way in coating systems since 1938</i></p> | Data Sheet | |
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AQUAPRO® 8020 Water Based Sealer



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



- Water Based
- Low Odour
- Low VOC
- NMP & APEO Free
- Non Flammable

Refer to Product Compliance table below for compliance with various standards
 VOC = Volatile Organic Content
 APE or APEO = Alkylphenol Ethoxylate
 NMP = N-Methylpyrrolidone

Product Description

AQUAPRO® 8020 sealer is a single pack, clear, water based sealer for use on interior timber, parquetry, particleboard and cork flooring. AQUAPRO® 8020 has very low VOC (solvent) content and contains no formaldehyde or isocyanates making it safer for applicators, building occupants and the environment. AQUAPRO® 8020 is easy to apply, non yellowing, high solids and easy to sand. AQUAPRO® 8020 Water Based Sealer provides an ideal first coat in an AQUAPRO® Water Based coating system.

This product is for interior use only.

Features & Benefits

- Water Based:** Non-flammable. Low Odour. Safer for applicators, building occupants and the environment.
- Low VOC & GBC Compliant:** AQUAPRO 8020 Sealer contains less than 75 grams per litre VOC content and complies with **Green Building Council Australia:** Green Star - Office Design v3 & Office As Built v3, Table IEQ-13.1; Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings (Maximum limit for "One and two pack performance coatings for floors *EU Directive" - 140 g/L).
- Easy to Apply:** Low bubbling with good resistance to lap marking or picture framing.
- Easy to Sand:** Powders easily, ensuring the quickest time to sand, reduced labour cost and best possible surface for topcoating.
- Fast Drying:** Floor can be coated in one day, which increases productivity for applicators and minimises disruption for building occupants.
- Non Yellowing:** Clear when dry, this non yellowing coating is ideal for use over blonde timbers and liming stains.
- Versatility:** Universal sealer for all AQUAPRO® topcoats.
- Alkylphenol Ethoxylate (APE) Free:** APEs have been banned in many European countries. APEs are very toxic to aquatic organisms and may cause long-term adverse affects to the aquatic environment. APEs are relatively slow to biodegrade and they breakdown to form toxic intermediates that are generally more toxic than the original compounds. Research has confirmed in a number of animal studies that APEs are oestrogenic (i.e. mimic the activity of female sex hormones).
- NMP Free:** NMP has been identified a reproductive toxicant, first by California in 2001 and then by the European Commission in 2003. NMP is rapidly absorbed through the skin and is irritating to eyes and skin.

Typical Applications

- Interior parquetry, timber, particleboard and cork flooring.
- Not suitable for external application or wet areas e.g. bathrooms or swimming pools surrounds.

Caution: The floor will be slippery when wet.

Product Compliance

Volatile Organic Compounds (VOC) Level

The VOC content of AQUAPRO 8020 Sealer (calculated in accordance with APAS Document D181) complies with the following standards:

- **Green Building Council Australia:** Green Star - Office Design v3 & Office As Built v3, Table IEQ-13.1; Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings (Maximum limit for "One and two pack performance coatings for floors *EU

Directive" - 140 g/L).

• **Australian Paint Approval Scheme (APAS):** APAS Document D181 "Volatile Organic Compounds (VOC) Limits", APAS Specification 0114 "One pack interior varnish (general purpose) 500 g/L.

Note: The criteria for VOC content of paint in Green Star IEQ-13 "Volatile Organic Compounds" refers only to paint applied on site (e.g. excludes paint applied at a factory).

Product Properties

| | |
|--------------------|--|
| Colour | Milky liquid when wet. Clear when dry. |
| Solvent Resistance | Very Good |
| Sandability | Very Good |
| Build | Excellent |
| Water Resistance | Very Good |
| Hardness | Excellent after full cure |
| Levelling & Flow | Excellent |

Application Methods

A 6mm or 10mm nap roller cover or waterbased applicator can be used to coat the bulk of the floor area. A good quality brush must be used to cut in around skirting boards and edges.

Application Time

Apply the sealer in a uniform wet even coat in the shortest time possible. Only brush the edges that you are planning to coat within 5 minutes, this will reduce the risk of having a dry edge (picture framing).

Only pour sufficient product to complete the job. Replace the lid immediately.

Thinning (Additives)

Thinning is not normally required.

In particularly hot environments where a high ambient room or floor temperature can be expected, AQUAPRO 1300 Wet Edge Extender may be added at a rate of 5-10% - stir whilst adding.

Approximate Drying Times @ 20°C

Dry: 1-2 hours. Dry time will increase in cold or humid environments e.g. rain.



Note: Low temperatures or heavy film thickness may retard drying times. Please consult Mirotone's Technical Service for advice on how to apply product in extreme environmental conditions.

Shelf Life

12 months. Refer to 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)

Timber & Parquetry - 12-15m² per litre

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

Packaging

| Product | Can Size | Net Contents |
|----------------------------------|----------|--------------|
| AQUAPRO® 8020 Water Based Sealer | 5 Litre | 5 Litre |
| | 10 Litre | 10 Litre |

Equipment Clean Up

Use water to clean rollers and brushes.

Application System

Coating Uncoated Timber and Parquetry

Preparing the floor to a professional standard is essential for achieving the best results.

- Fill all nail holes with MIROPUTTY or a compatible waterbased putty. Allow to dry.
- Sand uncoated floor with 120-150 grade sandpaper or screenback on a flexible pad to ensure the floor is uniformly dull and smooth with no sanding scratches, nibs or fur. Vacuum thoroughly. Take care to avoid scratching the surface.
- **Sealer:** Apply an even coat of AQUAPRO® 8020 Sealer using a 6mm or 10mm mohair roller cover and use a brush to cut in around skirting boards and edges. Allow 1 to 2 hours to dry at 25°C. (The surface might exhibit slight grain raising depending upon the species of timber).
Sand 180 grade sandpaper or screenback on a flexible pad to ensure the floor is uniformly dull and smooth with no sanding scratches, nibs or fur. Vacuum thoroughly. Take care to avoid scratching the surface.
- **First Topcoat:** Apply a coat of AQUAPRO® 8068 Hitek Floor Finish or AQUAPRO® 8270 Advance 2K Floor Finish in desired gloss level. Allow 1 to 2 hours to dry at 25°C.
Lightly sand, if required.
- **Final Topcoat:** Apply the final coat of AQUAPRO® Topcoat in desired gloss level.

Recoating Timber, Parquetry and Cork Floors

Preparing the floor to a professional standard is essential for achieving the best results.

- Wash all floors thoroughly with warm water and AQUACARE® 8430 Floor Clean & Degreaser in accordance with the label directions.
- Thoroughly sand the floor with new 150-180 grade sandpaper or screenback on a flexible base pad to ensure the floor is uniformly dull with no sanding scratches, nibs or surface blemishes.
- Coat floor as per directions above.

Application Recommendations

- AQUAPRO® 8020 Sealer dries quickly. It is therefore important to work quickly. Applicators should not brush areas too far ahead of the roller or applicator bar at skirtings or edges so that a wet edge is maintained at all times. This will avoid a noticeable darker line (picture frame) in the finished floor around skirtings and floor edges.
- Whilst working quickly is important, the product should not be over worked.
- Do not apply this coating when ambient temperatures are below 10°C or above 35°C, or when it is extremely dry and windy as flow may be adversely affected.
- Waterbased coatings will not produce the same colour on the timber as solvent based coatings. Contractors and Specifiers should be aware of this and submit a sample to their customer for approval, before application.
- Use good quality rollers, brushes and applicators to ensure the best results. Do not use brushes or rollers that have been used for the application of solvent based coatings as this may cause defects in the final film.

Maintenance**Caring for your New Floor**


- After overnight dry, the floor may be walked on with socks.
- After 24 hours drying, the surface may be subjected to light foot traffic. Avoid high heeled shoes during this period and **avoid stiletto heels at ALL times**.
- If using a DURAPOL, CRYSTAPOL or POLYTHANE polyurethane or NATUROIL oil coating it will take 5-21 days to fully cure, extra care must be taken during this time to protect the coating.
- Avoid dragging furniture over the floor at ALL times as this may mark or scratch the surface.
- Use protective pads on the bottom of all furniture legs.

Ongoing Care


- Dirt, sand and grit are materials that can easily damage a coated floor. Grit on the soles of shoes can have the same effect as sandpaper: to avoid this place mats at entry doors and in heavy traffic areas to remove the dirt and grit from shoes and reduce abrasion on the surface.
- The floor should be washed regularly with AQUACARE® 8440 Floor Clean Concentrate and water in accordance with all directions on the label and data sheet. Avoid abrasive cleansers.
- The floor can be maintained with AQUACARE® Revive 8400 Gloss or 8400 Satin.
- Note: floors maintained with AQUACARE® Revive 8400 Gloss or 8400 Satin must be thoroughly stripped with AQUACARE® 8430 Floor Clean & Degreaser prior to re-coating.

Warning: All coatings provide protection for the timber or substrate. However no coating is indestructible and all coatings will mark or scratch depending upon what comes into contact with the dry coating. Sharp objects including sand and grit will scratch the surface of any coated floor regardless of coating type. In high traffic commercial environments such as Hair Dressing Salons, Night Clubs or Taverns several factors need to be considered when choosing the coating system. The amount of traffic, moisture, alcohol and chemicals likely to come into contact with the floor will affect the performance of the coating. A thorough cleaning and maintenance program must be implemented after the coating system has thoroughly dried to help to maintain the coating.


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).

 **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.

 **Cold Temperature:** Application of water based coatings at low temperatures may result in poor film formation with resulting poor in-service performance of the coating system. Application below 10°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.

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 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 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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