

Technical Data Sheet



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AQUACLEAR WATER BASED POLYURETHANE

Aquaclear water based polyurethane is a pure aliphatic water borne urethane polymer (not acrylic modified) suitable for floor coating. It is non yellowing. It is based on a pure urethane emulsion.

FEATURES

Aliphatic base

Water based

Fast dry

Soft gloss

Hardwearing

Flexible

Easy To apply

BENEFITS

Non yellowing, will not discolour on exposure to sunlight.

Non-toxic, non-flammable, clean up in water. Does not change timber colour (compared to solvent systems). **No solvent wastage** in clean up.

Two or three coats can be applied per day compared to one per day with solvent systems.

Modern mid sheen finish. Highlights the features of wooden floors. There is less floor darkening than with solvent products. Satin made to order.

Hardwearing as moisture cured urethane. Internally cross-linked urethane based on new technology for increased hardness.

Tough resilient material, resistant to high-heel marks, won't crack.

Relatively easy to apply. Multiple coats may be applied in one day.

NOTE WELL:

This product is not available in the full gloss similar to solvent based moisture curing polyurethanes. The product is glossy **but** not full gloss (described as soft gloss).

Suitable for:

- Parquet
- Cork and coloured cork
- Particle board
- Timber flooring; most types
- Concrete
- Terraflake (interior) (Use Aquaglaze UV exterior)
- Finishing Architectural Terrazzite / ATZ Micro / Intafloor

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STABILITY

The product has a tendency to form hard non-redispersible film on pail lids, sides and rims **IF** the lid is not completely re-secured. It is highly recommended that the pails are not worked from but that sufficient material is transferred to a roller tray etc, and the pail resealed. Also, keep the pail out of direct sunlight and store in cool, interior conditions.

APPLICATION:

a) **SURFACE PREPARATION**

Ensure that the timber is sanded to the required finish. Ensure that all dust is removed and that the surface is free from oils, fats etc. It may be applied over old moisture cured polyurethanes providing cleaning and sanding has occurred. Do **not** solvent wipe.

Concrete: Ensure the floor is prepared and even. Aquaclear will highlight concrete defects.

Note: The product will have difficulty "wetting out" (i.e. laying out flat) if oils, greases etc are present.

b) **APPLICATION**

Agitate the product pail.

Ensure there is adequate cross ventilation to allow the product to cure.

Apply the finish with a roller, brush or foam applicator. Work quickly to ensure a "wet edge".

Subsequent coats can be applied as soon as the surface is dry and can be walked upon. After the first coat, ensure that the water has dried from the timber before recoating.

In good conditions, three or four coats may be applied in a day.

Generally floors will require four coats to achieve a uniform finish. This may vary depending on the density or porosity of the floor. Fine, light sand the second and third coats gently for good results.

Although dry, it is best to keep heavy traffic from the floor for 72 hours. It is particularly important to avoid dragging items across the surface.

Walk-on 1-2 hours

Full hardness develops **after 4-7 days**.

Clean up tools etc with warm soapy water before the product dries.

COVERAGE RATES

Around 10-12 square metres per litre per coat. Note that the product can be applied at higher rates (8-10) but that the drying time will be extended between coats and corners etc with poor ventilation will be slow to dry.

It is best to apply 4 or 5 thin coats, rather than 3 heavy coats.

c) **SUBSEQUENT RECOATING**

This product may be refinished at any stage. Clean the floor surface, dry and then sand .

Do not solvent wipe. Two coats are generally necessary.

The same treatment is necessary if it is required to recoat old moisture cured polyurethane floors.