

Resene Qristal ClearFloor 1K

waterborne flooring urethane

Resene Qristal ClearFloor 1K is a waterborne urethane durable flooring finish designed to protect your wooden flooring and keep it looking its best for longer.

interior

Typical uses

- Timber or timber composite flooring

Vehicle type	Crosslinking urethane/acrylic
Pigmentation	Flattening agents
Solvent	Water
Finish	Satin
Colour	Milky - dries clear
Dry time (minimum)	Tack free: 1.5 hours at 18°C
Recoat time (minimum)	2 hours
Theoretical coverage	10 sq. metres per litre (varies with application method)
Dry film thickness	30 microns at 10 sq. metres per litre
Usual no. of coats	3 - light traffic areas, 4 - heavy traffic areas
Abrasion resistance	Good
Heat resistance	Good
Solvent resistance	Good
Durability	Good
Thinning and clean up	Water
VOC	38 grams per litre (see Resene VOC Summary)

Physical properties

Performance

Performance and limitations

1. Durable single pack clear finish that will protect wooden floors against normal wear and tear.
2. Low odour application.
3. Fast dry, multiple coats can be applied in a day.
4. Easy recoating.
5. Self priming, an extra coat may be required to achieve a uniform finish on porous timbers and timber composites.
6. Clear finish for timber floors stained with Resene Waterborne Colorwood stain (see [Data Sheet D50a](#)).

Limitations

1. Do not apply at temperatures below 10°C or when it is liable to drop below 10°C during the drying period.
2. Dries very quickly at high temperatures and low humidity. Maintain a wet edge.
3. Not recommended for high abrasion areas. For a waterborne option in these areas use Resene Qristal ClearFloor 2K (see [Data Sheet D506A](#)).
4. Allow seven days for coating to reach full cure.
5. Drying is dependent upon temperature, humidity and ventilation, poor ventilation may inhibit curing and performance.
6. Not suitable for application to vertical surfaces, for these surfaces use Resene Aquaclear (see [Data Sheet D59](#)).

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Surface preparation

Ensure surfaces to be coated are in a sound condition, free from dirt, dust, loose material, oil, grease and floor polishes.

New floors

Stop all nail holes and cracked timber with a suitable filler. Thoroughly sand surfaces prior to coating. Finish off with fine sandpaper, remembering to sand with the grain.

Old clear coated floors

For best results total removal of previously varnished surfaces is recommended to ensure a uniform appearance. Alternatively sand old sound varnish to remove all gloss and provide a key for good adhesion. Non uniform colour will be created when a new clear coating is applied to a floor that has areas of bare timber and old varnish.

Thoroughly vacuum all surfaces to remove loose surface contaminants and sanding dusts. Pay special attention to sanding dusts and residual floor polish in the gaps between tongue and groove flooring.

Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.

Application

Supplied at application viscosity, apply using a synthetic brush, roller (Resene Waterborne Clears sleeve) or bar applicator. Contents will settle, stir well with a wide flat stirrer before and during use to ensure uniformity.

Apply Resene Qristal ClearFloor 1K at recommended spreading rate in an even manner to achieve a uniform wet film thickness. To avoid increasing entrained air when rolling do not overwork the wet film (lightly lay off with a 50% overlap). Avoid applying pressure to the sleeve when rolling as this will reduce the wet film thickness and reduce the coating dry film thickness.

Alternatively pour out a line of the clear then using the roller sleeve roll back and then forward to distribute the wet coating to achieve a uniform wet layer. **Do not roll through the pool of wet coating.**

Repeat this until the floor area is coated.

Recoating can be undertaken when the applied coating is no longer milky in appearance and does not leave a fingerprint when pressed.

Apply three to four coats of Resene Qristal ClearFloor 1K allowing at least two hours between coats. Lightly sand with 240 grit sandpaper prior to application of the final coat of clear.

Do not use gas or diesel burners to heat coated area as these produce water that will inhibit drying and curing.

Precautions

Avoid breathing vapour - use with adequate ventilation.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products. If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.

In Australia
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the paint the professionals use

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