

Resene Qristal ClearFloor 2K

waterborne flooring
urethane

Resene Qristal ClearFloor 2K is a two component 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	Waterborne urethane-acrylic
Pigmentation	None
Solvent	Water
Finish	Satin
Mix ratio	10 parts Base:1 part Hardener
Induction time	10-15 minutes
Pot life	4 hours at 18°C (see Application section)
Colour	Milky - dries clear
Dry time (minimum)	Tack free: 1.5 hours at 18°C.
Recoat time (minimum)	Minimum:2 hours at 18°C, Maximum: 3 days at 18°C
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 - for heavy traffic areas
Abrasion resistance	Very Good
Heat resistance	Good
Solvent resistance	Good
Durability	Good
Thinning	Not required, supplied at application viscosity
Clean Up	Warm water and detergent
VOC	95 grams per litre (see Resene VOC Summary)

Physical properties

Performance

Performance and limitations

1. Durable two 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. Drying is dependent upon temperature, humidity and ventilation (see Limitations). Application outside of the recommended environment conditions may inhibit curing and performance.
6. Self priming, an extra coat may be required to achieve a uniform finish on porous timbers and timber composites.
7. Suitable as a clear two pack 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 the relative humidity exceeds 85% or when these environmental conditions exist during drying and curing.
2. Dries very quickly at high temperatures and low humidity. Maintain a wet edge.
3. Allow seven days for coating to reach full cure.
4. Not suitable for application to vertical surfaces, multiple thin coats will be required for vertical surfaces such a stair risers.
5. Do not mix with Resene Colorwood Enhance.

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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

Mixing

WEAR PROTECTIVE GLOVES/CLOTHING AND EYE PROTECTION DURING MIXING.

Mix in a container size which is double the size of the final mix volume. Gently shake the contents of the Base container and transfer all to the clean and dry mixing container. Add the contents of the Hardener container to the base container with power mixing and continue to mix for one minute. Transfer the mixed product back into the Hardener container to fill to about three quarters full, recap lid tightly then hand shake to dissolve any Hardener that was not originally transferred into the mixing container. Add this to the mixed base and power mix for an additional two minutes. Allow the mixed product to stand for 10-15 minutes before application.

Mixed product does not require thinning; thinning is detrimental to product performance. Ensure that the mixed product is used within the stated pot life. The pot life of the mixed material is given for a specific temperature. Higher temperatures will reduce the pot life; conversely lower temperatures will increase it. Mixed product will remain liquid well past stated pot life. Application of mixed product beyond stated pot life will have a detrimental effect upon film formation, adhesion, and performance.

Application

Synthetic brush or roller sleeve (Resene Waterborne Clears Sleeve). Apply Resene Qristal ClearFloor 2K at the 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.

Apply three to four coats of Resene Qristal ClearFloor 2K allowing at least two hours between coats. Lightly sand with 240 grit sandpaper prior to application of the final coat of clear. Recoating can be undertaken when the applied coating is no longer milky in appearance and does not leave a fingerprint when pressed.

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

Precautions

1. Avoid breathing vapour - use with adequate ventilation.
2. WHEN MIXED WITH THE CORRECT HARDENER THE MIXED PRODUCT CONTAINS ISOCYANATES. When sprayed, this PRODUCT MAY BE HARMFUL BY INHALATION. Do not breathe vapour or spray. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye and face protection including suitable breathing protection such as an air supplied respirator or hood.

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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