

**NB. This chart is from the
Resene historical file.
Please refer to current
Resene colour charts
for the latest colour options**

Resene

water
borne

Colorwood

natural wood stain

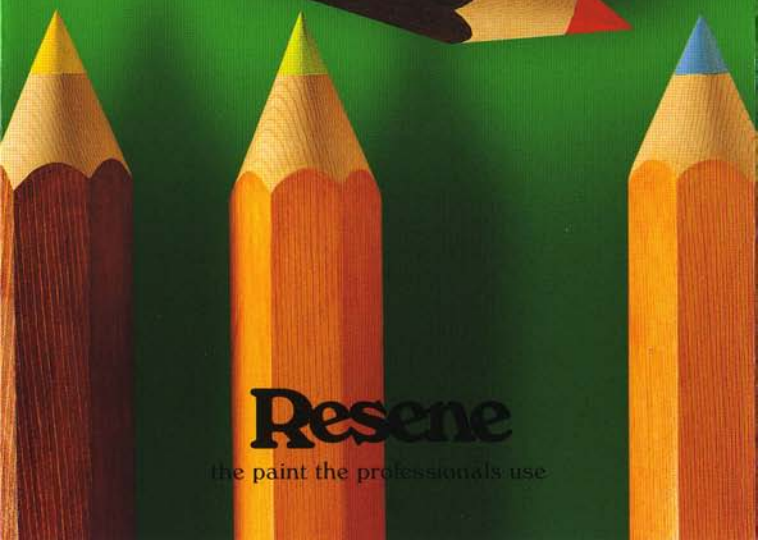
interior



Resene

Total Colour

System



Resene

the paint the professionals use

Staining a natural wood surface accents and enhances the wood grain

Stains are transparent, therefore the final finish colour will depend on the nature of the timber you are staining.

The first task when selecting a wood stain colour is to identify the type of wood you will be staining. The natural colour of the wood will affect the final finish and different varieties and grades of wood will absorb the stain differently, so it is important that you consider this when choosing your colour.

Higher density wood and hardwoods are very compact and dense and do not absorb liquids as readily as softer woods or less dense woods. As higher density woods and hardwoods will soak up less stain, you may need to select a darker stain or apply two coats to get your desired colour.

Stains applied to light wood will appear much stronger and brighter in colour than stains applied to dark wood. Dark stains applied to a dark timber may also cause a darker result than anticipated. Bright, light and limed colours are best applied to light timbers such as Pine or plywood, although attractive results may be achieved on Cedar.

Grain orientation is also important when trying to achieve a uniform colour on a surface. Woods with parallel surface orientation are relatively smooth with long runs of grain and tend to be the least absorbent. Cross-grain surfaces are very porous and may turn a dark brown or almost black when stained because they absorb almost all of the stain colour.

Some timber pre-treatments, such as oils and pressure treating, may affect the wood's ability to accept the stain.

Resene Waterborne Colorwood (see Data Sheet D50a) interior wood stain is not a protective coating and needs to be protected with a polyurethane, varnish clear topcoat or wax. Stains left uncoated have no resistance to marks such as watermarks or coffee cup stains. The stain colour is affected by the gloss level of the product you choose to topcoat your stain. A clear gloss polyurethane, such as Resene Qristal Poly-Gloss, will make the colour appear more vibrant than a clear flat polyurethane, such as Resene Qristal Poly-Flat. If a waxy finish is desired then a flat polyurethane is recommended.

Resene Waterborne Colorwood is available in a standard selection of 32 colours displayed in this chart and a further 40 colours displayed in the Resene Waterborne Woodsman colour chart. All standard colours may be intermixed allowing you to achieve a wide range of colours and effects. Even with this collection there will come a time when a pre-mixed colour isn't right for your scheme. No problem! Choose a colour that is close to what you wish to end up with. Carefully add the colour that is lacking until you achieve just the right hue. Make sure you intermix enough to complete your project. Resene can also provide colour matches to most existing samples - simply bring in a sample of the colour you would like matched.

Resene Waterborne Colorwood Reducing Base may be used to soften or stretch a full strength colour. If you like a particular colour but it is just too intense, add Resene Waterborne Colorwood Reducing Base, which will soften the hue without losing the character and body of the undiluted stain. Resene Waterborne Colorwood Reducing Base is also perfect on dark timbers to enhance the grain and appearance of the timber, without making the timber appear even darker.

As with any finishing project - regardless of the products you're using - always go through the entire finishing process using scraps from your project before you commit to a colour and final topcoat finish. This is particularly important when you experiment with tinting topcoats and mixing Resene Waterborne Colorwood colours. Take a scrap piece from your project, sand it completely, apply Resene Waterborne Colorwood, allow to dry thoroughly, and apply the topcoat of your choice. Once dry, inspect the final result, which will be a good representation of what your finished project will look like. Remember that both sanding and your choice of topcoat will affect the finished look of your project.

All Resene Waterborne Colorwood standard colours are available in testpots to make trialling your chosen colours easy. Always ensure you have enough product to complete the job before commencing as some batch to batch variations may occur.

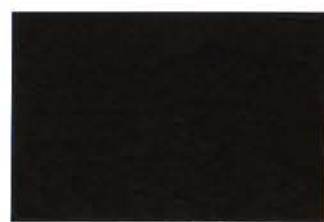
You can minimise the effect your next decorating project has on the environment by choosing Resene Waterborne Colorwood, an Environmental Choice approved product.



Resene. Certified products since 1996



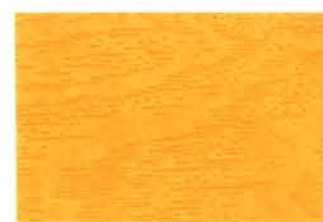
Deep Oak™ WD 10CW10



Dark Ebony™ 10CW14



Rosewood™ 10CW18



Candlelight™ 10CW22



Hibiscus™ 10CW26



Mahogany™ WD 10CW30



Deep Cove™ 10CW34



Black Pepper™ 10CW38



Blackwood™ WD 10CW11



Meranti™ WD 10CW15



Tabasco™ 10CW19



Creme De Banane™ 10CW23



Punch™ 10CW27



Ribbon™ 10CW31



Capri™ 10CW35



Greenstone™ 10CW39



Teak™ WD 10CW12



Dark Rimu™ WD 10CW16



Red Beech™ WD 10CW20



Egg White™ 10CW24



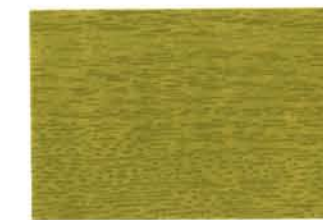
Clementine™ 10CW28



Clairvoyant™ 10CW32



Pigeon Post™ 10CW36



Pistachio™ 10CW40



Walnut™ 10CW13



Ironbark™ 10CW17



Oregon™ WD 10CW21



Rock Salt™ (blonding) 10CW25



Peach Schnapps™ 10CW29



Wisteria™ 10CW33



Raincloud™ 10CW37



Pea Soup™ 10CW41

Surface preparation

- Ensure the timber is thoroughly dry.
- If the surface has been previously varnished/painted, thoroughly strip and remove any traces of stripper and/or old coating before staining. Any remaining coating will cause inconsistencies.
- Lightly sand with p240–p400 wet and dry sandpaper to ensure an even acceptance of the stain. Always sand in the direction of the grain because sanding causes tiny grooves in the wood. The stain will be absorbed into these grooves and will highlight their appearance.
- Remove all sanding dusts with a soft dust brush, tack cloth or lint-free cloth. Check the timber carefully before proceeding because any imperfection in the wood will be highlighted by the stain.

- Stir the contents thoroughly before and during use. If the pigment begins to settle, you will get a lighter colour at the start and a darker colour as you get closer to the bottom of the container.

Application

- On flat areas, apply Resene Waterborne Colorwood in smooth, long, thin even coats with a speedbrush, keeping a wet edge to prevent lap marks. Rinse the speedbrush in water prior to use to remove any loose fibres. Dry the speedbrush thoroughly before applying the stain. Do not allow puddles or runs to form as they will dry darker. If you do not have a speedbrush, Resene Waterborne Colorwood may be successfully applied by brush or soft and clean lint-free cloth in a thin and even coat.

- For all application methods wipe off the excess and allow the stain to thoroughly dry before application of subsequent coats. If you need to apply additional coats of stain, be sure to do so before sealing the wood.
- Apply the stain along the grain of the timber, or if applying to MDF apply in one direction as evenly as possible. This direction could be altered in subsequent coats on random pattern timbers.
- Seal particle board prior to the application of polyurethane topcoats to avoid damage to the particle board surface.
- Wipe off any areas of thick or patchy stain with a soft lint-free cloth before the product dries.

- The colour will get stronger with each subsequent coat or the longer you leave the stain before wiping off the excess. Application of too many coats will lessen the transparency of the stain. If a darker colour is required, get a darker colour tinted, rather than trying to apply too many coats of a lighter colour.
- Clean up after using Resene Waterborne Colorwood is as easy as its application. Most colours will wash off using just soap and water, providing the stain has not cured.

Resene Waterborne Colorwood stains may be layered to produce exciting and unique effects. For two tone application ideas and information on pickling, distressing and much more, see the Resene website www.resene.co.nz/colorwood.htm.

Application of clear topcoats

Leave the Resene Waterborne Colorwood (see Data Sheet D50a) to dry for at least 24 hours before overcoating with Resene Qristal Clear Polyurethanes (see Data Sheet D52) or 48 hours if overcoating with Resene Aquaclear (see Data Sheet D59) or Resene Polythane (see Data Sheet D53). Once a polyurethane sealer has dried the wood surface is sealed and will not absorb any more stain.

Resene Qristal Polyurethanes are popular solventborne clears, however they may yellow over time. Available in Resene Qristal Poly-Gloss: a high gloss (wet look) finish that will give vibrancy to the colour; Resene Qristal Poly-Satin: medium vibrancy, more natural finish with less effect on the stain colour and Resene Qristal Poly-Flat: a natural flat finish that mimics a waxed surface. Resene Poly-Flat has the least effect on colour and is the ideal finish for recycled, aged or imperfect timbers. It is also ideal for topcoating limed colours or Resene Waterborne Colorwood two tone effects for an aged look. Where a harder wearing surface is required, use Resene HD Polysatin, Resene Polythane or a product from the Resene Uracryl 400 Series.

Resene Aquaclear is a waterborne varnish ideal for use when a fast drying low odour finish is required. Easy to apply and clean up. Resene Aquaclear is an Environmental Choice approved product available in satin, semi-gloss and gloss finishes. Where a more abrasion resistant finish is required, use Resene Polythane or a product from the Resene Uracryl 400 Series.

Resene Uracryl 402 (semi-gloss - see Data Sheet RA55) and **Resene Uracryl 403** (high gloss - see Data Sheet RA56) are unique high performance two component finish coats with excellent resistance to abrasion, moisture, petroleum solvents, mineral and vegetable oil. Resene Uracryl is a system unsurpassed for durability and colour retention. It will not yellow over time like solventborne polyurethanes will tend to do. For this reason Resene Uracryl is recommended where a durable topcoat is required over light, bright or limed Resene Waterborne Colorwood stains, such as on floors.

Resene Polythane is a single pack moisture cured polyurethane that is the optimum clear gloss finish for floors and hardwearing surfaces. It is recommended as a topcoat on dark or timber coloured stains as it may yellow over time, which can enhance timber coloured stains. For bright and light coloured stains use Resene Uracryl 402 or Resene Uracryl 403 Clear.

Waxes are the ideal topcoat to achieve an aged or recycled timber look. Use **Resene Qristal Poly-Flat** to achieve a similar look with improved durability. Seal the stain with one coat of Resene Qristal Poly-Flat prior to application of wax. It is very difficult to apply a polyurethane or varnish once any waxes have been applied - even after a long period of time.

Oils, such as Resene Danska Teak Oil or Resene Linseed Oil, are not recommended over Resene Waterborne Colorwood because they will not penetrate the surface of the stain.

Resene

the paint the professionals use

In Australia: PO Box 785, Ashmore City, Queensland 4214
Call 1800 738 383, visit www.resene.com.au or email us at advice@resene.com.au

In New Zealand: PO Box 38242, Wellington Mail Centre, Lower Hutt 5045
Call 0800 RESENE, visit www.resene.co.nz or email us at advice@resene.co.nz

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