

# Trim & Mouldings FAQ

## **1. Do you have installation instruction videos?**

We have many installation videos on YouTube. Please follow the link below:

<https://www.youtube.com/user/RoyalBuildingProduct>

## **2. Can you use interior mouldings outside?**

The only PVC interior mouldings that can't be used outdoors are the decorative woodgrain laminated interior mouldings. All other white cellular PVC products can be used for interior and exterior applications.

## **3. What colors are available?**

Our exterior trim & mouldings are available in white. Our garage door products come in several Colors from white to hunter green\*. A full list is available from your customer service representative

*\*2018 Color palette is changing. Please contact customer service for up-to-date offering.*

Brickmold and Jambs are available in white, almond, sandstone and chocolate brown.

## **4. What lengths do your trim & mouldings come in?**

Exterior trim & mouldings are available in 7' to 20' lengths. Interior mouldings are typically 7' to 12' lengths.

## **6. Can you install the mouldings around the shower or bathtub?**

Yes. Our mouldings are water proof and do not promote the growth of mold or mildew.

## **7. Can you attach a screen door to a PVC door frame?**

Yes, follow the manufacturer's recommendations.

## **8. Does cellular PVC trim require special code approval?**

Typically no special codes are required – always check with building codes.

## **9. Can PVC be used as a structural component such as framing?**

PVC cannot be used as a structural product in load bearing applications. PVC boards must always be supported by wood or other structural materials. Additionally you can install PVC at or below surface grade? Our product is perfect for ground contact application and below grade installation requirements.

## **10. How do I clean and remove scratches?**

If the scratches are not too deep, you can use Windex and Mr. Clean MAGIC ERASER, (or Scotch-Brite® Non-Scratch Scrub Sponge). Apply the cleaner. Use the eraser or sponge, and rub in circular and up and down motions, until scratches are buffed out. This takes some time, depending on the severity of the scratches. You can also use Turtle Wax® Rubbing Compound to remove surface scratches. Clean the product after buffing the out the scratches.

There are many cleaners on the market that will work for cleaning PVC:

Windex® 409 Glass and Surface Cleaner® Spic & Span Cinch®

Fantastik All-Purpose®

Fantastik Oxy Power Multi-Purpose Cleaner®

Clorox Clean-Up®

Glass Plus®

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DeckMAX®

M1 House Wash®

LA's Totally Awesome® All-Purpose Cleaner

## Cutting & Milling

### 11. How should I cut the trim and mouldings?

Royal Trim & Mouldings should be cut with a carbide tip blade with 80 teeth or more. It is important to make the cuts quickly. We also have found that you can lightly spray the blade with cooking spray or furniture polish as a lubricant to avoid excessive build up on the blade. NOTE: Do not spray the mouldings as this will affect paint adhesion.

### 12. What type of routing or milling bits should I use?

Use standard woodworking carbide-tipped router bits. Secure the trim to a bench or table when routing to minimize “chatter”. Once the routing is complete, the cut can be smoothed using 220-320 grit sandpaper. This will help seal the cut edge and make it more resistant to dirt. After routing, to seal the exposed cells you can:

- a. Sand the exposed cells with a 320 grit sandpaper
- b. Paint the exposed area with a high quality 100% acrylic latex paint

### 13. What do you recommend for ripping boards or sheet stock?

Safety First – Please follow manufacturer’s instructions on safe operation of saws and other milling or routing tools. Use a good, sharp carbide tipped saw blade. Make sure the product is secure while ripping. After ripping or milling or to seal the exposed cells on precision cut trim boards, you can:

- a. Sand the exposed cells with 320 grit sand paper and then wipe them with solvent like acetone (must follow solvent manufacturer’s safety instructions). Just wiping the exposed area with a solvent will not completely seal the edges, but solvents do tend to soften or melt the cells, helping to seal them from debris.
- b. Sand the exposed cells with 320 grit sandpaper.
- c. Paint the exposed area with a high quality 100% acrylic latex trim paint

## Fastening & Joining

### 14. How do I manage expansion and contraction of PVC trim mouldings?

- a. PVC expands and contracts many times greater than wood
- b. The main consideration is to plan for lengthwise expansion and contraction in boards longer than 12 feet. If not accounted for, PVC trim can buckle or develop unsightly gaps. The key element is to choose the right joints to fasten in place while allowing other joints to move. The movement can be concealed with a shiplap joint or by leaving space for the board to expand behind a butt joint or a feature board.
- c. If there will be an outside miter or a fastened joint at both ends of a trim run that is 12 feet or longer, use two boards connected with a shiplap joint to allow the boards to move without exposing the material underneath the joint.
- d. For outside corners, cement and mechanically fasten mitered outside corners together to keep them from opening up as the boards move.
- e. For inside corners you can use butt joints to hide movement, but you must leave a gap at the end of the longer piece.
- f. To use scarf joints, you must allow for movement in the run. PVC trimboards can be cemented

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together at the joint and the boards will move as one. Allow for movement with a shiplap.

- g. On longer runs, to account for movement, the more the trim is fastened and bonded, the less it will move. Also, you must double fasten on both sides of “pinned” joints.
- h. In temperatures above 80°F, the board joints should be tight.
- i. In temperatures of 40°F to 60°F, leave 1/8 inch of space.
- j. And when it's less than 40°F degrees outside, provide for 3/16 inch between boards.

### **15. Do you have to predrill before nailing?**

If nailing product at 40°F or below, predrilling is required.

### **16. How do you fasten trim & mouldings?**

There are several manufacturers that produce fasteners specifically intended for use with cellular PVC. (See list below). You can also use fasteners designed for wood trim. They should have thin shanks, blunt points and full round heads. Fasteners should penetrate 1½” into substrate. Fasteners should be positioned no less than ¾” or more than 2” from end of boards. Fasteners must be weather resistant, such as stainless steel. For interior trim, such as casing, base, quarter round and crown, use 16 gauge finish nails, 6d or 8d finish nails. Pneumatic guns can be used - rubber bumpers on the nail gun tooling will protect the moulding. Air pressure should be adjusted based upon gun, temperature, substrate (80-100 psi is typical). Always use the least pressure necessary to drive the nail into the product. Trim should be fastened to a flat solid surface. In cold weather below 40°F, predrilling may be necessary. Do not use brads or wire nails. Staples can only be used to fasten beaded planking.

#### **Recommended Screws:**

- Fasten Master Cortex® Hidden Fastening System (screw and PVC plug system)
- Starborn Pro Plug® System (screw and PVC plug system)
- Simpson Strong-Tie® Trim-Head Stainless Steel Screw
- GRK Fasteners FIN/Trim Finishing Trim Head Screws (ClimatekCoated® or Phoenix Stainless Steel)
- Kreg Blue-Kote™ Pocket-Hole Screws (for assembling trim with pocket-holes)
- #8 gauge TrimTop 305 SS with sharp type 17 piercing point by Fasten Master
- 305 SS Headcote #7 or #8 trim screws with auger points

For Concrete/Masonry/Brick: – Apply masonry adhesive sealant (always follow manufacturer’s instructions) to the surface of concrete first. Lay the trim board/sheet and secure with Tapcon masonry fasteners.

### **17. What should I use to fill screw or nail holes and or cracks?**

- a. Sashco Big Stretch High Performance Elastic sealant
- b. Dap® All Purpose Painters Putty®
- c. Sherwin Williams Shrink Free Spackling®
- d. Extreme Adhesives Bond and Fill®
- e. Crackshot High-Performance Spackling Paste

### **18. What caulk & adhesives do you recommend?**

You can use an acrylic, urethane, or polyurethane caulk Mechanical fasteners are always required. User needs to follow manufacturer’s instructions. Adhesives or caulking are not covered by our warranty. Listed below are manufacturers that have formulated adhesives/caulkings to work with:

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ZeVo 1 Part Cellular PVC Adhesive® for use with Royal Building Products

FastCap 2P-10 Adhesive & Activator

Extreme Adhesives PVC Trim Welder®

OSI PVC Trim Bond®

Liquid Nails Fuze\*It®

Liquid Nails® 501 Siding & Trim Construction Adhesive

NPC Solar Seal® 900

Weld-On® 705 by IPS

Christy's Red Hot White Vinyl Adhesive®

Quality Transparent PVC Cement

DAP RapidFuse

MasterSeal® NP1

PVC to Wood

NPC Solar Seal® 900

Liquid Nails Fuze\*It®

Liquid Nails® LN950 Construction Adhesive

MasterSeal® NP1

PVC to Masonry

NPC Solar Seal® 900

Liquid Nails® LN950 Construction Adhesive

Liquid Nails Fuze\*It®

For PVC to Steel

NPC Solar Seal® 900

Liquid Nails Fuze\*It®

Liquid Nails® LN950 Construction Adhesive

## ***Painting & Coating PVC***

### ***19. Does cellular PVC trim and/or cellular PVC require painting?***

No. Cellular PVC trim does not require painting but, like any cellular PVC product, it will weather over time and painting will enhance these beautiful products to maintain color consistency for many years. Our cellular trim

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products are ready for painting and require very little preparation. Painting with a good quality, vinyl safe 100% Acrylic Latex paint will further protect products to maintain color consistency for many years. There are several paint manufacturers that will warranty their coating products on cellular PVC trim for 20 years or more. Our Warranty does not cover painted finishes or coating applied to the product by the original purchaser or any third party.

To match our P546 White Trim, users can use:

(NOTE: The closest match is listed below. We do not warrant any third party color matching as we cannot control any outside variation. We also cannot warrant any third party coating manufacturer's coating performance.)

- a. Sherwin Williams off-the-shelf exterior latex Resilience (Satin) 6404-13530 Extra White. This is a very close color match and is readily available.
- b. Sherwin Williams exterior latex Emerald (Satin) Custom Color Match

### CUSTOM SHER-COLOR MATCH

CCE*COLORANT	OZ	32	64	128
L1-Blue	-	-	-	1
R2-Maroon	-	-	-	1
Y3-Yellow	-	-	-	1

(This is a Sherwin-Williams non-returnable custom color match and may need to be special ordered. Sherwin-Williams cautions that to assure consistent color always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip or color match.

To match our P644 Sane Dune Trim, users can use:

(NOTE: The closest match is listed below. We do not warrant any third party color matching as we cannot control any outside variation. We also cannot warrant any third party coating manufacturer's coating performance.)

- a. Sherwin Williams VinylSafe® Exterior Architectural Latex Super Paint - Custom Color Match:

### CUSTOM SHER-COLOR MATCH

CCE*COLORANT	OZ	32	64	128
G2-New Green	-	-	1	1
N1-Raw Umber	-	62	1	1
Y3-Deep Gold	-	22	1	1

### **MUST BE VinylSafe®**

(This is a Sherwin-Williams VinylSafe® non-returnable custom color match. Sherwin-Williams cautions that to assure consistent color always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip or color match.

### ***20. If I do paint, what type of paint should I use?***

For light colors with a light reflective value (LRV) of 57 or higher, we recommend a high quality 100% acrylic latex or acrylic blend paint developed for trim. Coating manufacturers can and will specify the LRV for its color palette.

For dark colors, with a light reflective value (LRV) of 56 or lower, it is imperative that an approved solar reflective coating is used. These paints are typically referred to as "vinyl safe" paints, or heat reflective coatings for vinyl.

**Failure to use the proper coatings specific to dark colors will result in heat distortion and buckling to any cellular PVC**

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Based upon the questions that we receive, it is apparent that many people are not educated regarding dark colors, heat buildup Benjamin Moore Revive® and Sherwin-Williams VinylSafe® technology.

Sherwin-Williams and Benjamin Moore carry exterior paint various product lines. Sherwin-Williams VinylSafe® Technology and Benjamin Moore Revive® are options in these product line. Sherwin-Williams VinylSafe®, and Benjamin Moore Revive are low heat buildup color pigment packages that can be used used with cellular PVC.

For Sherwin Williams, this specialized coating is not automatically a feature in the paint products where VinylSafe® is available. VinylSafe® MUST BE SPECIFIED AS AN OPTION when having paint mixed, using Sherwin-Williams Emerald®, Duration®, Resilience®, SuperPaint® latex paints, or SnapDry™ Door & Trim Paint.

### Summary:

After significant experience and testing, using solar reflective coatings such as Benjamin Moore Revive and Sherwin-Williams VinylSafe® will give the user best coating solution for dark colors. Our warranty does not cover painted finishes or coating applied to the product by the original purchaser or any third party. However, if the proper coatings are used, and the coating manufacturer's instructions are followed, users will be successful.

No priming is necessary, however the finish quality is greatly enhanced if you use a premium 100% acrylic latex paint for trim with a built in primer. In addition, a primer may be required under the paint manufacturer's warranty.

Always follow the paint manufacturer's instructions. In preparation for painting, we recommend product should be clean, dry and free of dirt, grease and or any other surface contaminants before painting. Adhesion can be improved through light scuff sanding. Product should be cleaned with a mild detergent or denatured alcohol and soft clean rag or bristle brush.

Before you start, it's a good idea to fill all nails holes or blemishes that may occur during installation. Although scuff sanding is not needed, light sanding of the surface, with fine sandpaper can help remove blemishes prior to painting, but only if needed. For smoothing ripped or routed edges the milled or ripped surface can be smoothed using 220-320 grit sand paper. This will greatly assist to remove saw marks (or cutter head marks) and somewhat seal the milled surface and make it easier to paint.

Failure to adhere to manufacturer's recommended guidelines for application of painted surfaces may void any paint manufacturer's warranty.

Here are a few paint manufacturer recommendations:

Sherwin Williams	PPG	Benjamin Moore
Super Paint®	Manor Hall®	Revive®
Duration®		Moorlife®
Green Seal®		

### **21. Can you stain PVC mouldings?**

Yes, but staining PVC mouldings takes coating applications such as TruStain™ from AquaSurTech OEM and or AWP SPQT Stainable Primer Wood Base Coat for Hard Surfaces. Follow the manufacturer's recommendations.

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