STANDARD STOCK COLORS

No.	Color
6500	Primary Red
6100	Flame Red
5900	Orange
5600	Medium Orange
5401	Amber
5200	Yellow
4959	Light Yellow Green
5156	Fern Green
5055	Primary Green
4853	Turquoise
5700	Sea Blue
5590	Cyan
5400	Sky Blue
5100	Light Blue Green
1080	Primary Blue
4600	Medium Red Blue
4200	Deep Purple
3650	UV "Woods Glass"
4965	Lavender
4640	Vivid Magenta
4763	Deep Magenta
4630	Hot Pink
4758	Medium Pink
1033	Light Pink

ARCHITECTURAL SERIES COLORS

No.	Color
1337	Pale Pink
1018	Amber Blush
1002	Bastard Amber
1013	Goldenrod
1012	Bright Straw
1086	Industrial Green
1073	Peacock Blue
1065	Mediterranean Blue
1062	Booster Blue
1055	Lilac
1054	Lavender Accent
1048	Purple Fusion
3202	Cinedichro™ Full Blue CTB
3204	Cinedichro™ ½ Blue CTB
3208	Cinedichro™ ¼ Blue CTB
3407	Cinedichro™ Full CTO
3408	Cinedichro™ ½ CTO
3409	Cinedichro™ ¼ CTO
3026	Cinedichro™ White Diffusion
8000	IR/UV Filter

All Permacolor products are FOB Rosco Texas.

Permacolor™ Dichroic Filters

Rosco's range of Permacolor Dichroic Filters offers designers the opportunity to choose high quality dichroic glass color filters that exactly match the color sample, run after run, batch after batch. Rosco's state-of-the-art US facility for manufacturing dichroic color is geared to creating repeatable colors, either stock colors in one of Rosco's two palettes, or custom colors you specify.

There are two separate ranges of Permacolor standard colors, both available in sample kits. The Standard Series includes a choice of 24 mostly vivid and saturated colors. The Architectural Series is based on popular Roscolux colors and contains more subtle, pale color tints useful for accent lighting widely used in interior and exterior architectural lighting projects. This range also includes a series of color correction filters to allow designers to alter the color temperature of various light sources.

STANDARD SIZES

When ordering, add the number within the parentheses following item description to the end of the product number.

2" x 2" (12)
1.95" round (02)
5.25" round (to fit 6.25" holder) (15)
6.3" round (to fit 7.5" holder) (11)
8.25" round (for Par 64) (18)

PERMACOLOR FRAMES

No. 952515	**6.25" Permacolor Frame**
No. 907511	**7.5" x 7.5" Permacolor Frame**
No. 910011	**10" x 10" Permacolor Frame**
No. 952550	**6.25" Permacolor Frame with Safety Grid**
No. 907550	**7.5" x 7.5" Permacolor Frame with Safety Grid**
No. 910050	**10" x 10" Permacolor Frame with Safety Grid**

Sample Kits

Permacolor Standard Series Sample Kit contains a sample filter of each of the 24 colors. **No. 881610**

Permacolor Architectural Series Sample Kit includes 12 colors, 6 color correction filters, White Diffusion and IR/UV Filter. **No. 882010**

Permacolor™ Technical Coatings

The three Permacolor technical coatings are available in the standard sizes shown here, or in custom sizes. When ordering standard sizes add the number within the parentheses to the product number (see page 7). For custom sizes, contact Rosco.

IR/UV FILTER (HOT MIRROR) **No. 8000**

IR/UV filter is a clear glass filter designed to pass visible light while reflecting both the infrared and near UV energy. Perfect for museum and architectural applications. Available in standard and custom sizes.

WOODS GLASS (COLD MIRROR) **No. 3650**

This dichroic cold mirror reflector passes near UV energy in the range of 365-400nm, reflecting most visible light energy. Applications for this reflector include filters for creating black light effects (requires a lamp with a high UV output, e.g. HMI discharge) or instrument mirrors that must allow UV energy to pass through them and not be reflected out of the fixture. Available in standard and custom sizes.

UV BLOCKING FILTER **No. 4000**

UV Blocking filter reflects both near and far ultraviolet energy as far out as 250nm. Minimal color shifting allows this protective filter to be used in a wide range of lighting and scientific applications. Available in standard and custom sizes.

Custom Colors

If your project requires a specific color, Rosco will match the sample color you provide. A custom design charge and minimum quantity requirements may apply. Please contact Rosco for more information.

Library Colors

If you cannot find the color you need in the standard color range, we may have the color you need in our Library Colors. Many non-stocking colors are available on the shelf for immediate purchase. These colors have been designed as custom colors or as gel matches and do not require a custom design charge. Contact Rosco for a list of available colors.

Permacolor Technical Information

SPECIFICATIONS

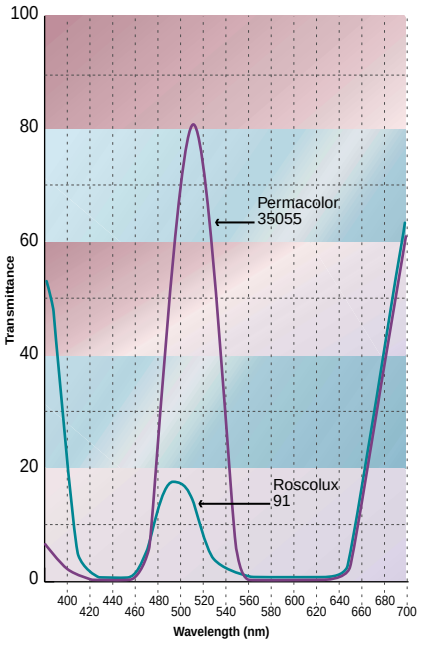
Glass: Borosilicate 1.75 mm (1.1 mm and 3.3 mm by special order)
Max. Peak Temperature: 450°C
Max. Continuous Temperature: 200°C

INSTALLATION

For best performance and durability, Permacolor filters must be installed with the coated side of the glass towards the light source. Viewing the filter on edge will help you determine which side of the glass is coated.

Permacolor filters should be installed at 90° to the light path. Improperly installed filters may exhibit a color shift.

Permacolor filters should not be used with extreme wide angle (>40°) fixtures. In certain instances color fringing towards the edges of the field of light may occur. This color shift is cosmetic only, and will not otherwise affect the performance of the filter. Please test with your fixture to insure acceptable results.



This spectral distribution graph shows how polycarbonate color filters, such as Roscolux or Supergel, differ from Permacolor dichroic filters—even when the colors are seemingly a "match". Both types of filters transmit a specified portion of the spectrum. But Permacolor transmits a much narrower band (or purer, more saturated color) than the equivalent in Roscolux or Supergel. In addition, Permacolor reflects the unwanted portions of the spectrum; polycarbonate filters absorb the unwanted portion of the spectrum. That's why Permacolor can transmit upwards of 80% of the energy (or color) and not deteriorate over time. With such high transmission, designers can get more light from a fixture with a Permacolor Dichroic Filter, or simply use fewer fixtures to get the amount of light they need.