

PURDY NEWS FEATURE

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For Immediate Use

HOW TO SELECT THE RIGHT PAINTBRUSH FOR A VARIETY OF OIL OR SOLVENT-BASED FINISHES

While some professional painters still choose to work with bristle brushes, many are now switching to the new synthetic brushes – or using both types on a case-by-case basis. Because Purdy dealers and Purdy customer service people are frequently asked what is the best brush to use in various projects, following are some tips from Purdy on selecting the right brush for a variety of oil or solvent-based finishes:

USE EITHER SYNTHETIC FILAMENTS OR NATURAL BRISTLES FOR OIL-BASE FINISHES

The best brushes for oil or solvent-based finishes are made with 100% DuPont® SRT Tynex®, such as Purdy Nylox or Purdy Black Nylon, or blends with some Orel® polyester such as Purdy XL, Purdy Elite or Purdy Pro-Extra®. Bristle brushes with 100% high quality hog bristle like Black China and White China also work well. Black China has been the mainstay of many professional painters for decades and for finishes with higher viscosity, is an excellent mix of bristles of varying lengths and stiffness. White China is much the same but is most effective with lower-viscosity finishes including oil-base stains, enamels, varnishes, shellacs, lacquers and polyurethanes. It is the perfect brush for furniture, antiques and marine finishes – any place an extremely smooth finish is needed. From a purely business perspective, synthetics always offer the highest abrasion resistance and can last about five times longer than bristles.

Oil-base trim painting

The following work best for fine trim finishes: Synthetic filaments of SRT Tynex, like Purdy Nylox; blends that include Chinex® nylon filaments and/or DuPont Orel polyester, such as Purdy Syntox, XL or Pro-Extra; or White China or Ox-Hair bristle. An angular sash brush is an effective painting tool for trim.

Oil-base wall painting

The following all work extremely well: Synthetic filaments of 100% SRT Tynex, like Purdy Nylox; blends that include Chinex or Orel polyester, like Purdy Syntox, XL or Pro-Extra; or natural Black China or White China bristles.

Oil-base primers and exterior stains

Natural Black China bristles or synthetic filaments of SRT Tynex, like Purdy Nylox, or blends that include Chinex nylon or DuPont Orel polyester, like Purdy Syntox, XL or Pro-Extra have

the stiffness for tough exterior applications like primers and stains. Synthetic filaments offer up to five times greater abrasion resistance than natural bristles. So particularly for professional painters, where this is a business decision, abrasion-resistant synthetic filaments will return the greatest profits.

Oil-base low-V.O.C. enamels

Black China bristle or a blend of Chinex and Tynex nylons plus Orel polyester, found in Purdy Pro-Extra, have enough body to provide the control needed with today's heavier oil-based finishes. Synthetic filaments offer much greater abrasion resistance than natural bristles over time, and usually last at least four to five times longer than even the strongest bristles (which are Black China) if properly cared for.

Solvent-base clears

Soft White China bristle, Ox-Hair bristle or synthetic brushes built to the specifications of Ox-Hair, like Purdy Syntox, provide the smoothest possible finish with fewest brush marks. Purdy Syntox and White China are both very effective with lower-viscosity finishes including oil-base stains, enamels, varnishes, shellacs, lacquers and polyurethanes. Either is the perfect brush for furniture, antiques and marine finishes – any place an extremely smooth finish is needed. White China bristle does not offer the abrasion resistance of a synthetic brush like Syntox, so it doesn't last as long. But many painters still swear by its excellent results.

Exterior stains

Either Black China bristle or a blend of Chinex and Tynex nylons plus Orel polyester such as Purdy Syntox work best for exterior stains, particularly the new fuller-bodied stains. Once again, a synthetic blend that includes some polyester offers the greatest abrasion resistance and the longest life.

Varnishes

Use either White China bristle, Ox-Hair bristle, or synthetic 100% nylon filaments built to the specifications of Ox-Hair, like Purdy Syntox. Any of these brushes provides an extra-smooth finish free of brush marks.

All-Around Use

Probably the best all-around brushes for oil-base painting are still Purdy XL and Purdy Nylox. Nylox is somewhat more appropriate for thinner materials, where it is important to avoid brush marks. Purdy XL works a little better with higher-viscosity materials and its excellent stiffness retention makes it ideal for working in hot or humid painting conditions. The filament blends of both of these brushes provide superior results in any water-base job -- plus the longevity of 100% authentic DuPont filaments.

GENERAL INFORMATION ABOUT PAINTBRUSHES

WHY FILAMENTS SHOULD ALWAYS BE "SRT" - SOLID, ROUND, TAPERED:

SOLID nylon enables filaments to bend easily and recover to their original shape, while hollow nylon filaments bend and remain buckled -- of little further use. ROUND filaments are the profile of natural bristles and carry paint well. Filaments should also be TAPERED – wider at the base, narrower at the tip for greater ability to bend with pressure for better paint flow and

smoother paint release. All Purdy synthetic brushes use only solid, round, tapered filaments from DuPont, recognized to supply the very best nylon filaments.

WHY BRUSHES SHOULD ALSO BE "TIPPED" & "FLAGGED:"

In addition to being tapered, longer filaments should be "TIPPED" (further narrowed at the tip) and "FLAGGED" (tips sliced). Tipping and flagging simulate the ragged ends of natural bristle, so the brush holds more paint and releases it without brush marks. Best-performing brushes have shorter filaments on the sides that have also been tipped, for a smoother result when paint is laid off from the side of the brush. All Purdy synthetic brushes incorporate high quality DuPont filaments that have been tipped and flagged.

BLEND OF FILAMENT LENGTHS:

The best-performing brushes have varying filament lengths and taper ratios to give the brush backbone, yet allow it to bend gradually with brush pressure for better control and smooth paint release. All Purdy synthetic brushes use custom blends of filament lengths for optimum painting performance.

STIFFNESS MATCHED TO THE JOB:

A softer brush will help prevent brush marks. In heat and humidity, nylon polyester blends retain their stiffness better. Black nylon brushes are available with varying stiffness. The warmer the climate, the stiffer the brush should be, and vice-versa.

WIDTH, THICKNESS AND ANGLING OF THE TIP:

Wider, thicker brushes work best for painting walls; thinner, narrower brushes work best for trim. An angular sash brush is particularly useful for close-in trim work.

HAND-CHISELED SHAPING OF THE BRUSH TIP:

Filaments should be tipped and flagged *prior* to assembly, as all Purdy synthetic filament brushes are. The tips are hand-shaped with unique contours based on the intended use. In cheaper brushes, the edges of filaments are ground off *after* assembly, so paint leaves the brush from large-diameter filaments, leaving permanent brush marks.

UNFINISHED SOLID WOOD HANDLE:

Unfinished alder or other hardwood handles in varying sizes and styles provide balance and comfort. They also absorb hand moisture to help prevent the brush from slipping out of control. A smooth, well-finished handle will provide greater comfort over time, and feels like a high-quality tool that painters know will give them a better result.

ABOUT PURDY PROFESSIONAL PAINTING TOOLS

Approximately 70% of professional painters in America paint with Purdy brushes and rollers. For over 80 years, professional painters and skilled do-it-yourselfers have looked to Purdy for tools that enable them to paint better and faster. Purdy offers custom designed and engineered brush and roller products for every painting situation. All Purdy products continue to be made in the U.S. using only the finest components and the highest possible quality standards.

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