

## PURDY NEWS FEATURE

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### For Immediate Use

## **HOW TO CHOOSE THE RIGHT PAINTBRUSH FOR WATER-BASE PAINTING**

Professional painters know that as with any trade, the right tools can make any job a lot easier. It is the same with painting tools. Because Purdy dealers and Purdy Customer Service people receive questions daily about what are the best brushes to use for different projects, following are some tips from Purdy on selecting the right brush for any job:

### GENERAL INFORMATION ABOUT PAINTBRUSHES

#### ALWAYS USE SYNTHETIC FILAMENTS FOR WATER-BASED PAINTING

Natural bristles are never used for water-based paints, as water makes natural bristles go limp. Use synthetic brushes for water-based or water-borne finishes. The better the filament grade, the better the brush performs, the stronger it resists abrasion, and the longer it lasts. Every Purdy filament brush is built with the quality and longevity of 100% authentic DuPont® filaments.

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

SOLID nylon enables filaments to bend and recover to their original shape, while hollow filaments bend and stay bent. ROUND filaments are the profile of natural bristles and carry paint well. TAPERED filaments are wide at the base and narrow at the tip to bend easily for better flow and smoother release. All Purdy synthetic brushes are made with Solid Round Tapered filaments.

#### WHY BRUSH FILAMENTS SHOULD ALSO BE "TIPPED" & "FLAGGED:"

Longer filaments should be tipped (further narrowed at the tip) and flagged (tips sliced), simulating the ragged ends of natural bristle so the brush holds more paint and releases it without brush marks. Purdy brushes have shorter tipped filaments on the sides for a smoother result when paint is laid off from the side. Purdy tipping and flagging processes are proprietary and carefully guarded.

#### WIDTH, THICKNESS AND ANGLING OF THE TIP:

Wide, thick brushes work best for painting walls, while thin, narrow 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.

### **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.

### **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.

## **BRUSH RECOMMENDATIONS**

### **Latex trim painting**

Purdy recommends brushes with combinations of tipped and flagged DuPont 100% SRT Chinex®, Tynex® nylon or Orel® polyester filaments, including Purdy Nylox, XL and Elite. For thinner paints, the softness of either Purdy Nylox or Elite work best and leave the fewest brush marks. For higher-viscosity paints, Purdy XL's combination of Tynex and Orel polyester may work better. All of these brushes hold a great deal of paint, apply it smoothly, and resist splattering. In hot/humid conditions, brushes retain their body to manage the paint when Orel polyester is added, as in Purdy XL and Elite.

### **Latex wall paints**

The 100% SRT Tynex found in Purdy Nylox or the 100% black nylon found in Purdy Black Nylon series both work well in applying latex wall paints. Purdy Nylox works best in applying thinner-viscosity paints without brush marks, as does the Chinex/Orel blend in Purdy Elite. Purdy Black Nylon, XL with its Tynex/Orel polyester blend, and Purdy Pro-Extra's blend of Tynex, Chinex and Orel all work very well with today's higher-viscosity latex wall enamels.

### **Thin-bodied enamels and clears**

Softer filaments lay down a smoother coat without brush marks. Purdy Syntox®, built to the specifications of Ox-Hair, or a better nylon such as the the 100% SRT Tynex found in Purdy Nylox, both work extremely well and leave the fewest brush marks. Purdy Elite's blend of Chinex and Orel polyester is also a great all-around combination of a soft, pliable brush that works well in warmer, more humid climates, yet still offers excellent abrasion resistance.

### **Extra-heavy enamels**

Purdy Pro-Extra is the brush to use for extra-heavy enamels. Its blend of Chinex, Orel polyester and Tynex give it the body to manage today's heavier paints, including VOC-compliant finishes. Purdy XL's blend of Tynex and Orel polyester also gives it the strength to manage the application of heavy enamels without leaving prominent brush marks.

### **Water-borne Polyurethanes**

To achieve a glass-like finish with modern polyurethanes, use a synthetic ox-hair type nylon filament brush like Purdy Syntox, or the Tynex nylon found in Purdy Nylox. These soft filaments help assure a glass-like finish. Both Syntox and Nylox offer a unique combination of softness to apply thin and clear materials with virtually perfect finishes plus the long life and abrasion resistance of their synthetic formulas. In fact, Syntox lasts up to five times longer than Ox-Hair natural bristle blends, yet gives essentially the same result. It is usually a better business decision to go with the quality and longevity of brushes built with 100% quality DuPont filaments because they last so much longer than natural bristles.

### **All-Around Use**

Probably the best all-around brushes for water-base painting are still Purdy XL and Nylox. Purdy 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.

### **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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