



Painting Fundamental - 12

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1. Purpose
 - a. Pick up the proper amount of product
 - b. Hold product until desired release
 - c. Apply the product onto the substrate
 - d. Produce the desired or appropriate finish
2. Parts of a brush
 - a. Handle – where one holds a brush
 - i. Wood – unfinished in higher quality
 - ii. Plastic
 - iii. Rubber
 - b. Ferrule – metal band securing epoxied bristles to the handle, fastened with nails, quantity depends on size of brush
 - i. Steel – can rust if not treated
 - ii. Stainless – non-rusting
 - iii. Copper – non-rusting
 - c. Bristles or flag – pick up and deliver product
 - i. Tip or toe – end where product is released
 - ii. Belly or middle – paint held from this point to the tip
 - iii. Head or butt – part closest to the ferrule
 - iv. Possibly a spacer or plug on some brush types
3. Handle design or shape
 - a. Beaver tail
 - i. Comfortable to work with
 - ii. Tapered end fits in brush spinner
 - iii. One of the two most common
 - b. Sash/linbeck type
 - i. Longer handle when or if needed
 - ii. Longer handle give the brush a good balance when working
 - iii. Second most common type
 - iv. Provides extra control
 - v. Also fits nicely into brush spinner
 - c. Shorty/Stubby
 - i. Used in tight, small, cramped spaces such as between shelves
 - ii. Generally does not fit into brush spinners

ROLLER COVER SELECTION

- d. Round/pencil type
 - i. Allows for brush to be rotated as it's being used
- 4. Bristle shape
 - a. Angled
 - b. Flat
 - c. Semi-oval
 - d. Oval
 - e. Round with flat end
 - f. Round with pointed end
- 5. Bristle Composition
 - a. Natural – used with solvent based paint
 - i. China boar or hog's hair – has a natural flagged end allowing for a smooth delivery of product
 - 1. White – soft pliable for a fine finish
 - 2. Black – more durable
 - ii. Ox hair – softer than china bristles
 - 1. Used in a blend with china
 - iii. Badger – very soft for decorative brushes
 - b. Synthetic brushes – made from petroleum products. Dupont is the largest manufacturer with at least 8 different types.
 - i. Nylon
 - 1. Durable
 - 2. Gets softer in warmer weather or stiffer in colder weather
 - ii. Polyester
 - 1. Softer than nylon
 - 2. Flexible
 - 3. Chemically treated to give a flagged tip
 - iii. Chinex – modified nylon filament
 - 1. Durable
 - 2. Processed to give a flagged tip
 - 3. Easier clean up with latex products

Note: Good brushes are generally a mix of two or sometimes all three of the synthetic types. That way they have the durability of one and the finer finish capability of the others. Synthetic bristles are used in both latex and oil products but manufacturers recommend that a brush be designated for one or the other to ensure best performance.

- 6. Brush Type for Use
 - a. Trim or sash
 - i. Flat tip or angle sash
 - 1. Can have different shaped handles
 - 2. No plug or spacer

ROLLER COVER SELECTION

- 3. Sizes up to 3 inches usually
 - ii. Wall – meant to be used on larger surfaces
 - 1. Handle is usually a beaver tail with flat bristle type flag
 - 2. Has a plug or spacer to allow the pick-up and holding of more paint
 - 3. Can be more difficult to clean
 - iii. Stubby/shortys
 - 1. Tight areas
 - iv. Stain brush
 - 1. Short stiffer bristles meant to deliver a thinner product and not be so messy.
 - 2. Pick up and deliver more product
 - v. Round handled trim or sash
 - 1. Rotated when used to allow for a more even release of the product
 - vi. Long handled radiator or hockey type
 - 1. Able to get into hard or difficult areas
7. Summary
- a. Some brushes have very specific purposes. Others can be a cross over between uses. A brush must feel comfortable to the user, give the desired finish and rate of production, and fit into one's price range (this is the least important, always better to buy the best brush one can afford when the job merits it). Bristle types are personal as well. They also must give the desired finish and production.

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