



# DuraSoy<sup>™</sup> Paints

## Installation Guide

### Equipment:

Airless Sprayer: #15-#19 tip

Roller: Typical as required for the intended surface and texture

Brushes: High quality as required for the intended surface and texture

### Surface Preparation:

**New Drywall-** All drywall must be properly taped, patched and sanded to provide a uniform texture across all materials to be painted. Failure to ensure uniform or level patching will result in an uneven finish coat. If patching materials are significantly more or less porous than the main surface area, you may experience uneven curing. When such conditions exist, it may be necessary to install a specialty primer coat.

**Painted Surfaces-** Remove all loose materials and paint by scraping and/or powerwash. Repair and patch as necessary. All painted surfaces must be free of dust, dirt, oils, grease, etc. that may be a potential bond breaker. Thoroughly clean the surface for optimum penetration and bonding. When painting over semi-gloss or other shiny surfaces, either degloss or sand to enable penetration of bonding to the existing paint.

**Wood Surfaces-** Thoroughly clean the wood surface to remove all grease, oils, tannins, etc. If the wood species is prone to tannin bleed, you may be required to apply a tannin blocking primer to prevent bleed that will prematurely damage the paint. Allow the wood to thoroughly dry before applying any coating.

**Metal Surfaces-** Metals that have not been primed or painted will require a rust inhibiting metal primer. (see Eco-Tuff Metal Primer). As long as the previously primed or painted surface is in sound condition, thoroughly clean to remove all grease, oils, dust, stains, etc., prior to application of the coating material.

Not designed as a floor paint. Do not apply as a floor coating.

### Application

**Preparation:** Mask all necessary trim, doors, windows, etc., and cover all flooring areas and adjacent objects that you do not want to have paint applied to. If spraying interior, be sure to cover all vents or walkways leading to adjoining rooms to help control paint mist. Use appropriate ventilation in all cases to ensure faster curing and elimination of any odors. Be sure to inventory all necessary tools, materials, and supplies prior to starting your project. Inspect all tools, sprayers, tips, etc., to ensure they are in good working condition. Prime and test all paint spraying equipment and associated tips to be used for the project.

**HVLP Sprayer Application:** Set to a fine spray. If using a PSI regulated compressor, find the optimum pressure between 20-50 psi for a fine mist spray. If using a Black & Decker or similar electric portable airless unit, the paint tip will generally produce a favorable spray setting. Add no more than 10% clean water if necessary to thin the paint. Test spray pattern to ensure uniform coverage and observe drying patterns for desirable results.

**Airless Paint Sprayer:** Use a #15-#19 orifice size tip. Test spray pattern to ensure uniform coverage and observe drying patterns to ensure the tip is in optimum condition.

**Nap Rollers:** Select a high quality nap roller for best results. The nap size is dependent upon the surface and texture desired for the project. We also suggest using nylon foam trim pads or specialty trim rollers for high quality and high speed cut-in trim painting.

**Brushes:** The quality of brush and condition will make any painter's job easier. Using a high solids paint requires the ability to control flow and deliver a lap free finish. With DuraSoy, more paint will stick to the brush allowing efficient and drip free results with the right technique and brush selection.

**Spray Method Installation:** Once you have selected the applicable tip and performed your test spray, you are ready to begin. Use the same timing and pattern as determined by your test spray area. Always spray in uniform consistently timed horizontal pattern. With high solid paints, it is crucial to closely observe overlap areas to avoid creating obvious high build at these overlap points. Most professional painters will always back roll while the paint is still wet to ensure a uniform coverage and overcome some of the natural inconsistencies that occur during spraying. Back rolling also ensures thorough coverage on both smooth and textured surfaces. This type of back roll finish leaves the building owner a finish that is more efficiently matched should a future repair be required for touch-up. Most people will not pull out the sprayer to repaint a smaller area or when an interior space is now occupied. Nevertheless, spray method alone is fully acceptable when a uniform finish is achieved.

**Roller Method Installation:** Always work in manageable sections that allow cut-in and wall sections to be applied while maintaining a wet edge for uniform blending. Cut-in edges and corners, followed by wall section painting. Use a foam trim pad or edge roller maintaining a wet edge for proper blending with wall sections. (Remember, high solids paint must be feathered out and allowed to maintain a wet edge for uniform distribution. If edge work is allowed to dry followed by another paint coverage, you are essentially applying two coats to the edge, which may affect sheen or appearance differential) Typical Film Build: 1 dry mil is a typical film that may be sufficient coverage when painting over similar colors on a smooth finish surface. Evenly saturate roller from your paint tray and begin your first pass about 3-4' from your starting edge working towards the wet edge or corner cut-in for a uniform blend. Roll up and down in smooth even strokes while working out all lap lines. Then dry roll at a 45° angle with a smooth light stroke to provide better coverage over the painted area. Repeat a vertical up and down light dry roll for a final uniform finish. Repeat the process starting 3-4' from the previous wet edge as you proceed from left to right or right to left. Blend with previous paint application to ensure uniform coverage is achieved without creating a higher build over the lapped section. High Film Build: 3 dry mils is an average film build for most hide coverage requirements. Follow the same steps as above but resaturate the roller prior to rolling at the 45° angle. This will provide twice the film build over the previous finish. Then roll up and down in smooth light and even strokes to work out any lap lines or inconsistent coverage. Repeat process to complete each planned section.

**Brush Installation:** Always use a high quality painters brush for best results. If using a brush for cut-in work, be sure to feather out the paint and avoid thick coverage as you may create a higher build than desirable when trying to blend with the wall section painting. You will notice with DuraSoy's formulation, more paint will stay on the brush and avoids excessive dripping commonly experienced with typical water-based paints. With a higher paint solids and film build at your disposal, be sure to work out brush marks and moderate the film build. You may dilute with water or adjust with flow additives if desired to achieve your optimum finish results.

**Clean Up:** DuraSoy Paints are water-based and may be cleaned with soap and water. Be sure to clean all equipment immediately after use. Allowing paint to dry and harden on equipment or tools will make cleaning more difficult than it needs to be.

Important: The performance of the product is dependent upon its correct application onto surfaces for which it is intended strictly in accordance with instruction onto correctly prepared surfaces which shall remain sound, stable and free of cracking or movement. We always recommend testing a small inconspicuous area for compatibility prior to full application. Instruction application deviation may diminish or negate the performance of the product. Under no circumstances will the company be liable for loss, consequential or otherwise arising from the use of the product. Should this product be proved defective our liability shall be to the replacement of the products. We reserve the right to amend specification and application techniques without prior notice.