

Sentry Paint Additive

Description	Sentry Paint Additive modifies most paints to exhibit the same protective qualities as our standard products.
Compatibility	Sentry Paint Additive can be added to oil based, alkyds, most water based acrylics and two part high performance systems without the use of their second component.
Solution	Sentry Paint Additive improves substrate adhesion to a broad range of materials such as glass, metals, alloys and incompatible coatings such as water base over oil base coatings etc. without the need of primers. Sentry Paint Additive is Chemical resistance, Solvent resistance, Abrasion resistance, Weathering resistant, Oxidation (UV resistance), and allows for primer free applications. It also provides anti-graffiti properties. Sentry Paint Additive creates Aliphatic Polyurethane 2 component performance at a lower cost. For example; a typical low cost alkyd paint can be modified to perform as well as a high performance coating with a potential 40 to 50 % cost savings, often without the need of a primer which will save additional cost and time over traditional methods.
Characteristics	Color: Clear to slight amber milky liquid (depending on temp and humidity). Odor: Mild fruity Vehicle Type: Solvent Base Flash Point: (C Pensky-Martens closed cup) -25C, 77F Solubility in water: Insoluble VOC: less than 100 g/liter Slightly diminishes the gloss of the paint it is added to.
Mix Ratio	Recommended Mix Rate: 1 Part Sentry Paint Additive to 3 Parts Paint or Coating Product. The pot life for the mixture is 5 to 8 minutes. Do not mix more than you can use in that time. For anything other than small projects It is best to use a spray system that mixes the right ratio as the paint is being applied.
Coverage	Coverage will slightly increase over the paint manufacturers spread rate. Coverage will vary depending on the porosity and texture of the substrate or application method.
Surface Preparation	Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign material using Sentry Step #1 Cleaner for Painted Surfaces. Rinse with fresh water and dry completely.
Application Instruction	Pretest Mix Due to the wide variety of paint products mix a small amount of Sentry Paint Additive into the paint to see if it is compatible. If it is not compatible the paint will coagulate and clump. Application With all methods of application, always mask off any adjacent surfaces to keep them free of drips or accidental coating. Sentry Paint Additive dries extremely fast, make sure to put lid back on can immediately after removing desired amount. Sentry Paint Additive should be sprayed on with a dual tank mixing system, however if the project configuration and location doesn't allow for spraying you can as an alternative also brush using a fine Chinese bristle brush or roll on with a high density ultra-smooth foam roller. This type of alternate application will not yield the same spread coverage and will limit your application time to under 10 minutes and will not typically give you the optimum smooth finish as spraying would. If applying outdoors, make certain the ambient temperature is between 45° F and 105° F, and RH is under 90%. Also make certain there will be no additional return of morning dew to make the surface damp again before it has had a chance to dry for at least 5 hours. Spraying Use a plural dual component spray painting system that allows you to mix the right ratio of paint to additive as you spray. Tip size and pressure to follow paint manufacturers recommendations. CAUTION: If using spray application method in an enclosed space, make certain to tent off the area being sprayed with plastic tarps to avoid spray dust from traveling and contaminating other surfaces with over spray dust. Tented and enclosed areas always require to be positively supplied

	<p>with fresh air and have ventilated exhaust to outside using fans. Never spray near any open flame or any possible source of ignition such as pilot light, or anything that may spark, as this may cause ignition and explosion of the fumes and vapors.</p> <p>Rolling Make certain the surface is clean per preparation instructions. Make sure the application can be completed in under 10 minutes. After thoroughly mixing with a mixing paddle Sentry Paint Additive into paint immediately apply.</p> <p>Brushing Make certain the surface is clean per preparation instructions. Make sure the application can be completed in under 10 minutes. After thoroughly mixing with a mixing paddle Sentry Paint Additive into paint immediately apply.</p>
Dry Time	Drying Time (@ 77 F, 50% RH): Drying time is Temperature, humidity and film thickness dependent. (The higher the humidity the faster the dry time) Drying time is slightly less than paint manufacturers drying time.
Clean Up	Clean tools and flush equipment immediately after application is completed with paint manufacturers recommended method. (Important, once coating is dry the tools will be difficult to clean up with acetone or any other solvent.)
Caution	Always wear OSHA approved 1910.134 and ANSI Z88 2 Respiratory protection. Fresh air and exhaust are required in the work area. If inhaled, remove affected person to fresh air. Call physician immediately if physical difficulties occur. Wear butyl-rubber gloves and other skin protection to avoid contact. In the event of contact with skin, wash skin thoroughly with soap and water. Chemical safety goggles or splash shields are required. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention. (In enclosed areas, make sure to have an observer watching the applicator for any signs of physical distress.)