



SHER-SHIELD SATIN EMULSION

ECF – W100

DESCRIPTION	APPLICATION PROCEDURES																														
<p>Sher-Shield Satin Emulsion is a 100% acrylic emulsion based non-yellowing coating, designed for exterior/interior finishing of Steel, Iron, Plywood, natural wood, and masonry surfaces. It has anti-carbonation properties, and provides superior resistance to intense sunlight, humidity, salt, water, exterior weathering and chemical resistance.</p>	<p>Surface Preparation: Surface must be dry, clean and in sound condition. Remove oil, dust, dirt, millscale or other foreign substance to ensure good adhesion. Minimum surface preparation methods to be followed for (1) Concrete should be cured, dry and clean (2) Iron and Steel – SSPC-SP2 “St 2” or SP3“S3” (3) Aluminum and Galvanizing – SSPC-SP1. Allow weathering of new galvanized steel for six months prior to coating. (4) Wood - Sand the surface with suitable grit sand paper and remove all the dust with a tack cloth or blast of clean air. If any dirt or grease remains prior to finishing it must be removed by solvent wiping.</p>																														
RECOMMENDED USES	APPLICATION METHODS:																														
<p>For use over prepared substrate such as drywall, plaster, vinyl sidings, plywood, concrete block and other masonry surfaces in architectural application.</p> <p>Advantages:</p> <ol style="list-style-type: none"> 1. Resistant to extreme humidity, heat, sunlight and alkalinity. 2. It is a vapour permeable membrane that is water resistant, it will allow water vapour to pass harmlessly preventing damage to concrete and plaster. Trapping water vapour can cause structural damage. 3. Lifetime of reinforced concrete is prolonged by using Sher-Shield Satin Emulsion. 4. Anti carbonation, Sher-Shield Satin Emulsion will prevent carbon dioxide from neutralizing the natural alkalinity of concrete. Alkaline concrete will preserve steel reinforcing; carbon dioxide affected concrete will allow steel reinforcing to corrode rapidly. 5. Anti Static coating, does not attract dust. 6. Provides excellent fade, blister, stain and fungal resistance. 	<p>Conventional or Airless Spray: Reduce up to 12% with water Brush/Roller: Reduction not recommended</p>																														
CHARACTERISTICS	SYSTEM RECOMMENDATION																														
<p>Color: Wide range of colors available Finish: Satin Volume Solid: 37±2 % Specific Gravity: 1.3 KGs / ltr Recommended DFT: 40 Microns / coat Spreading Rate@DFT: 9.25 m² / ltr or 35 m² / US gallon Flash Point: 94 °C Drying Schedule: Dry to Touch: 1 Hour @ 25 °C/R.H.50% To Handle: 4 Hours To Recoat: 2 Hours Shelf Life: 18 months, unopened at 25° C Reducer/Clean Up: Water</p>	<p>Concrete Blocks, Plaster, Wood Surfaces:</p> <table border="0"> <tr><td>Latex Wall Primer</td><td>1 Coat</td><td>25 Microns</td></tr> <tr><td>Heavy Duty Block Filler <u>or</u></td><td>1 Coat</td><td>250 Microns DFT</td></tr> <tr><td>Elastic Crack Filler</td><td>1 Coat</td><td>250 Microns DFT</td></tr> <tr><td>Sher-Shield Satin Emulsion</td><td>2 Coats</td><td>40 Microns DFT per coat</td></tr> </table> <p>Iron and Steel:</p> <table border="0"> <tr><td>Latex Metal Primer</td><td>1 Coat</td><td>50 Microns DFT</td></tr> <tr><td>Sher-Shield Satin Emulsion</td><td>2 Coats</td><td>40 Microns DFT per coat</td></tr> </table> <p>Asbestos Siding, Gypsum Board:</p> <table border="0"> <tr><td>Masonry Conditioner</td><td>1 Coat</td><td>25 Microns DFT</td></tr> <tr><td>Sher-Shield Satin Emulsion</td><td>2 Coats</td><td>40 Microns DFT per coat</td></tr> </table> <p>Wood/Fiber Board:</p> <table border="0"> <tr><td>Wall & Wood Primer</td><td>1 Coat</td><td>50 Microns DFT</td></tr> <tr><td>Sher-Shield Satin Emulsion</td><td>2 Coats</td><td>40 Microns DFT per coat</td></tr> </table>	Latex Wall Primer	1 Coat	25 Microns	Heavy Duty Block Filler <u>or</u>	1 Coat	250 Microns DFT	Elastic Crack Filler	1 Coat	250 Microns DFT	Sher-Shield Satin Emulsion	2 Coats	40 Microns DFT per coat	Latex Metal Primer	1 Coat	50 Microns DFT	Sher-Shield Satin Emulsion	2 Coats	40 Microns DFT per coat	Masonry Conditioner	1 Coat	25 Microns DFT	Sher-Shield Satin Emulsion	2 Coats	40 Microns DFT per coat	Wall & Wood Primer	1 Coat	50 Microns DFT	Sher-Shield Satin Emulsion	2 Coats	40 Microns DFT per coat
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ANTI-CARBONATION PROPERTIES	SPECIAL TIPS																														
<p>Concrete equivalent thickness: 1.0 meter at 120 Microns DFT.</p> <p>Note:</p> <ol style="list-style-type: none"> 1. 120 Microns DFT of Sher-Shield Satin Emulsion is equal to using an additional meter of concrete to protect the steel reinforcing. Thus it is more practical and cost effective to apply Sher-Shield Satin Emulsion. 2. If 100 Microns DFT of Sher-Shield Satin Emulsion is applied water repellency is 98%. 	<p>Excessive reduction of material can affect the film build, appearance, and adhesion. Any further specific technical information can be obtained from SWSA if you email ask@sherwinwilliams.ae</p>																														
	SAFETY PRECAUTIONS																														
	<p>Spray under well-ventilated conditions. Do not breathe or inhale mist. When spraying, wear air mask. Avoid skin contact. Spillage on skin should immediately be removed with suitable cleanser, soap and water. Eyes should be flushed with water and medical attention sought immediately.</p>																														