

SHERACRYL ACRYLIC ENAMEL



RAF – Series (Flat)
 RCF – Series (Eggshell)
 RBF – Series (Semigloss)
 RDF – Series (Gloss)

DESCRIPTION	CHARACTERISTICS
<p>Sheracryl Acrylic Enamel is a quick drying 100% acrylic based non-yellowing coating, designed for exterior/interior finishing of metals (Steel, Iron, Galvanized steel, & Aluminum), 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>Color: Wide range of colors available Finish: Flat, Eggshell, Semigloss, Gloss Volume Solid: 36 ± 2 % Specific Gravity: 1.13 KGs / ltr 2% Recommended DFT: 30 – 35 Microns / coat Spreading 12.00 m² / ltr or Rate@DFT: 45.42 m² / US gallon Flash Point: 40 °C Drying Schedule: Dry to Touch: 1 Hour @ 25 °C/R.H.50% To Handle: 2 Hours To Recoat: 2 Hours</p> <p>Shelf Life: 18 months, unopened at 25° C Reducer/Clean Up: Thinner YTF- K003</p>
RECOMMENDED USES	ANTI-CARBONATION PROPERTIES
<p>For use over prepared steel, iron, aluminum, galvanized metal and concrete substrates. Used for reinforced steel bridges, over passes, Harbor Cranes, Shipping container coatings, Silos, AWL Hulls, and super structure of Commercial Vessels, Chemical and petrochemical plants, and architectural finishing. The product is totally recoatable which is absolutely necessary for large structures in a marine environment where future blasting is either very expensive or impossible.</p> <p>Advantages:</p> <ol style="list-style-type: none"> 1. Resistant to extreme humidity, heat, sunlight and alkalinity. 2. Totally recoatable without blasting, which is essential to be applied on ships, bridges, and large buildings where blasting is not part of regular maintenance paintings. 3. 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. 4. Lifetime of reinforced concrete is prolonged by using Sheracryl Acrylic Enamel. 5. Anti carbonation Sheracryl Acrylic Enamel 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. 6. Anti Static coating, does not attract dust. 	<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 Sheracryl Acrylic Enamel is equal to using an additional meter of concrete to protect the steel reinforcing. Thus it is more practical and coast effective to apply Sheracryl Acrylic Enamel. 2. If 100 Microns DFT of Sheracryl Acrylic Enamel is applied water repellency is 98%. 3. If 100 Microns DFT of Sheracryl Acrylic Enamel is applied carbon dioxide diffusion resistance is 6000 Gpa.s. m² / KG.

SYSTEM RECOMMENDATION

Iron and Steel:

Anti Rust Metal Primer or	1 Coat	30 - 50 Microns DFT
Zinc Clad 7 Primer (Epoxy Primer)	1 Coat	50 - 100 Microns DFT
Sheracryl Acrylic Enamel	2 Coats	30 – 35 Microns DFT per coat

Iron and Steel (60 – 90 Minutes Fire Resistance):

Anti Rust Metal Primer	1 Coat	50 Microns DFT
Intumescent Coating (S)	2 or 3 Coats	200 Microns DFT per coat
Intumescent Coating SAF 707 (W)	2 or 3 Coats	200 Microns DFT per coat
Sheracryl Acrylic Enamel	2 Coats	30 – 35 Microns DFT per coat

Aluminum and Galvanized Metal:

Wash Primer	1 Coat	07 Microns DFT
TileClad II Hi-Build Epoxy Primer	1 Coat	50 – 75 Microns DFT per coat
Sheracryl Acrylic Enamel	2 Coats	30 – 35 Microns DFT per coat

Concrete/Plaster/Wood/MDF Board Surface (Texture Finish):

Acrylic Primer Sealer	1 Coat	25 Microns DFT
Textured Finish	1 Coat	150 – 250 Microns DFT per coat
Sheracryl Acrylic Enamel	2 Coats	30 – 35 Microns DFT per coat

Concrete/Plaster/Wood/MDF Board Surface (Smooth Finish):

Recommended Primers	1 Coat	As Recommended
Heavy Duty Block Filler	1 Coat	250 Microns DFT per coat
Recommended Primers	1 Coat	As Recommended
Sheracryl Acrylic Enamel	2 Coats	30 – 35 Microns DFT per coat

Primers Recommended:

- Acrylic Primer Sealer (S)
- Wall & Wood Primer
- Enamel Undercoater

APPLICATION PROCEDURES

Surface Preparation:

Surface must be dry, clean and sound condition. Remove oil, dust, dirt, millscale or other foreign substance to ensure good adhesion.

Minimum surface preparation methods to be followed for:

1. Iron and Steel SSPC-SP2 'St 2' (Hand Tool Cleaning) or SP3 'St 3' (Power Tool Cleaning).
2. Aluminum and Galvanizing Metal SSPC-SP1 (Solvent Cleaning). Allow weathering of new galvanized steel for six months prior to coating.
3. Concrete should be cured, dry and clean.
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.

Application Methods:

Conventional Spray:	Reduce 10% with thinner
Airless Spray:	Reduce 10% with thinner
Brush/Roller:	Reduction not recommended

SPECIAL TIPS

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

*For further information on recommended products please refer to Sherwin Williams Saudi Arabia Painting & Coatings System Guide.

**For further information on surface preparation methods and application procedures please refer to Sherwin Williams Saudi Arabia Surface Preparation bulletin.

SAFETY PRECAUTIONS

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.