



## ANTICORROSION COATING

### HVAC/R COILS

<b>PRODUCT NAME</b>	<b>ANTICOR SK -03 FN</b>
Function	Polymeric based protective coating to protect aluminum finned-Copper Coils from oxidation (corrosion) in varied climatic conditions.
Chem. Comp	Metal Impregnated Grafted Copolymer
Features	<ul style="list-style-type: none"> <li>➤ Self Priming</li> <li>➤ Single Component</li> <li>➤ Air Drying</li> <li>➤ Easy to Apply</li> <li>➤ Suitable for all Ferrous &amp; Non-Ferrous Metals</li> <li>➤ VOC Free as per EPA regulations</li> <li>➤ Excellent UV and Chemical Resistance</li> </ul>
Benefits	<ul style="list-style-type: none"> <li>➤ Enhances Life with long lasting corrosion protection without affecting Heat transfer &amp; Pressure Drop</li> <li>➤ Energy Saving</li> </ul>
<b>PHYSICAL PROPERTIES</b>	
Form	Liquid
Colour	Metallic Brown / Silver
pH	Neutral
Density	1.04 at 27o C
Viscosity	22 sec. ( B-4 Cup ) at 270 C
Solid Content	33 – 35 % (By Weight)
<b>APPLICATIONAL PROPERTIES</b>	
Touch Dry	15 minutes
Recoating after	20 minutes
Hard Dry	24 hours
Coverage	3.5 sq. mtr per liter per coat( Flat Area)
Dry Film Thickness	20- 25 microns / per coat
Application Method	Conventional Spray Technique (for Fin Coating )
Surface Requirement	Free from dust, rust, oil, grease & any other Foreign Deposits



Shelf Life	12 Months
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<b>PERFORMANCE PROPERTIES</b>	
Flexibility (Conical Mandrel) 4mm	No Film Crack
Impact ( 160 Kg-Cm/Cm)	No Film Crack
Adhesion	Passes Gt 0
Scratch Resistance	>4.5 kg
Thermal Stability	180° C ( Continuous)
Immersion in cold water -7 days	No Effect Observed
Immersion in Boiling water -24 hours	No Effect Observed
Immersion in Lubricating Oil -7 days	No Effect Observed
Immersion in Vegetable Oil -7 Days	No Effect Observed
Immersion in Kerosene	No Effect Observed
Salt Spray Resistance (ASTM B-117) >3500 hrs	No corrosion Observed
Exposure to mix of 20 %HCL & 18% H <sub>2</sub> SO <sub>4</sub>	No Deterioration of film
Flame Retardency BS-163 UL 94	Satisfactory V0



## COMPARISON CHART

SR.NO.	PARAMETER	PU BASED SYSTEM	ANTICOR SK-03 FN
1	Base	Polyurethane	Grafted Copolymer
2	System	Two Pack	Single Pack
3	Primer	Necessary	Self Priming
4	VOC Compliance	VOC free as per EPA Regulations	VOC free as per EPA Regulations
5	Drying / Curing	Long Curing Cycle	Quick Drying at RT
6	Heat Transfer	Satisfactory	Satisfactory
7	Food grade suitability	Not Suitable	Suitable for Food Grade applications
8	Bridging, Touch-up /Recoating	Not Possible	Touch-up / Recoating possible without loss of properties
9	Additional Feature	Not Available	Resistance to Fire
10	Antimicrobial properties	Not Available	Available Antimicrobial Grades