



Polymers... beyond imagination

High Performance Surface coatings

FINCARE

Product description:

FINCARE is a **SINGLE-PACK** high performance grafted co-polymer based protective coating for application where heat transfer properties along with corrosion resistance are of importance. FINCARE is specially designed for HVAC coils, HVAC fins and radiator coils.

Product highlights:

- Excellent Corrosion Resistance
- Quick Drying
- Excellent Heat Transfer Properties
- Excellent Resistance to Acids (20 %); Alkalis (20 %)
- Excellent Resistance to corrosive gases
- Excellent Outdoor Stability

Recommended use:

A universal formulation specifically designed for use in various environmental situations. To be used on ferrous & nonferrous HVAC/condenser coils, tubes & fins. It also gives a desired cosmetic finish. It gives excellent corrosion protection in varied climatic conditions. FINCARE offers excellent Aging & weathering resistance coupled with resistance to chemicals and is used to protect the metal components in the most aggressive conditions.

Performance properties:

Sr. No.	Performance Test	ASTM STD.	ACTUAL
01	Scratch Hardness (3.5 KG)	D – 7027	No Exposure of Metal Substrate Passes the Test
02	Conical mandrel (4 mm)	D – 522	No film cracking or crazing
03	Adhesion	D – 3359	No Peel-Off
04	Salt Spray Resistance 1000 HRS (At 30 Microns DFT)	B - 117	No Surface Deterioration & corrosion.
05	Thermal Stability at 200 ⁰ C for 24 Hrs	D – 2243	No effect on coating surface.
06	Exposure to SO ₂ Moist	G-87	No effect on coating surface



Polymers... beyond imagination

High Performance Surface coatings

Film thickness and spreading rate:

Film thickness, dry (μm) (DFT) 10-15 Microns per coat (Rec. 2 Coats)
Theoretical spreading rate (m^2/l) 7 m^2 per Liter

Surface preparation:

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

Surface conditions:

Temperature of the substrate – Minimum 3°C above the dew point of the air temperature
Relative humidity – Maximum 80 % measured in the vicinity of the substrate.
Ventilation - Good ventilation is required in confined areas

Do not use heated air until the solvents (Thinner) have evaporated (flushed off) from the paint film to avoid surface drying and solvent entrapment. During application and the initial drying of the coating, the object should not be exposed to high humidity as this can result in loss of gloss.

Application methods:

Spray - Air Assisted Spray

Application data:

Mixing ratio - Single Pack System. (No Mixing of Two Components)
Pot life - Not Applicable. No Pot Life (Can be used for six months after opening the Container) if needed, Viscosity can adjust with FINCARE special **thinner**.

Drying time:

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: * Good ventilation (Outdoor exposure or free circulation of air) *

Substrate temperature	-10°C	0°C	10°C	23°C	40°C
Surface dry (dry to handle)	30 min	25min	20 min	15 min	10 min
Hard dry	24 hours				
Dry to recoat, minimum	30 minutes minimum (for testing purpose- 7 days)				

Typical paint system:

FINCARE - 2 Coats x 10-15 μm (DFT)



Polymers... beyond imagination

High Performance Surface coatings

Storage:

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Best use time:

If stored below 25°C in the recommended condition, the product remains usable for 6 months.

Handling:

Handle with care. Stir well before use. Do not leave the container open after use. Pack it air tight.

Packing size:

20 liters Metal Containers

Health and safety:

Please observe the precautionary notices displayed on the container& in our MSDS. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

Disclaimer:

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

ISSUED ON 15 JANUARY 2016 BY SK FORMULATIONS INDIA PVT. LTD.

THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED