

# Power Coal Tar-SF

Solvent-free coal tar modified epoxy coating for steel, concrete, and sewage works

## Description: -

A high-performance, versatile coal tar modified epoxy coating designed to protect steel and concrete. It is based on solvent-free epoxy resin and a special amine hardener, supplied as a two-component system.

## Usage: -

- Used for painting and lining oil tanks, as well as tanks for diluted acids and alkalis.
- Used for protecting road structures, bridges, and the foundations of concrete structures.
- Used for painting tanks and pipes buried underground or submerged in water, serving as a protective layer for concrete structures buried below ground level.
- Used for painting the bottom of ships and marine vehicles both internally and externally.
- used for painting the undersides of cars and vehicles to protect them from rust and corrosion.
- Used for protecting reinforcement iron from rust and corrosion.

- used for painting building foundations of all types, as well as insulating basements and traffic tunnels.
- Coating for industrial water tanks and basins.
- Used for drinking water and sewage projects to isolate and protect sewage projects.
- Used as an insulation and protective layer for industrial floors such as garage floors, slopes, and loading areas.

### **Advantages: -**

- Excellent adhesion to various surfaces without the need for a primer.
- High resistance to abrasion, friction, and mechanical wear.
- High resistance to salts, underground moisture, and harmful weathering effects.
- Excellent resistance to chemicals, acids, alkalis, and aliphatic hydrocarbons.
- Superior capability to prevent rust, corrosion, and damage from sewage water.
- Extends the service life of concrete and steel structures through long-term protection.
- Can be applied across various temperatures and in any environment.

### Characteristics: At 25°

<b>color</b>	<b>Black – Dark Brown</b>
<b>Solid content ratio by weight A to B.</b>	99 % $\pm$ 1%
<b>Mixing ratio by weight A to B.</b>	3 : 1
<b>Operating period</b>	Average 60 minutes
<b>Initial setting time</b>	12 hours
<b>Final setting time</b>	24 hours
<b>Full hardness</b>	7 days
<b>Min. application temperature</b>	5 degrees
<b>Density kg/liter</b>	1.32 $\pm$ 0.05
<b>Thinning solvent</b>	Power solve 6 (if necessary)
<b>Rate of use</b>	Average 150 : 175 gm / m <sup>2</sup> 1 coat ( 100 micron ) varying with the surface condition.

### Application instructions: -

- Surface Preparation: Clean the surface thoroughly from oils, grease, petroleum products, rust, dust, and loose particles.
- Mixing: Stir Component {A} well, then add the entire contents of Component {B}. Mix using a low-speed mechanical mixer (300 rpm) until the mixture is completely homogeneous.
- Thinning: If necessary, thin gradually with Power Solve 6 until the desired consistency is achieved.
- Application: Apply using a brush, epoxy roller, or airless spray gun.
- Recoating: If a second coat is required, apply after at least 12 hours from the first coat.
- Cleaning: Wash tools immediately after use with Power Solve 1.
- Ventilation: Ensure good ventilation during and after application, especially in confined spaces.

### **Safety precautions: -**

- The product should be applied in a well-ventilated area.
- Gloves, protective clothing, and eye goggles should be worn during application.
- Never eat, drink, or smoke during application.
- In case of skin contamination, wash the contaminated area with water and soap.
- In case of eye contamination, immediately wash with abundant lukewarm water and consult a doctor immediately.
- Avoid spilling residues of the product into any watercourse or soil.
- Dispose of product residues or empty containers according to local environmental regulations.

**Packages: -**

A set of compounds [A + B], group capacity [1, 4, 20 kg].

**Storage: -**

The product should be stored for two years in tightly sealed containers and under appropriate storage conditions.

**For more information or inquiries, Visit our website.**

[Power-cp.net](http://Power-cp.net)

**Disclaimer:** The technical data provided herein is accurate and correct as of the publication date and is subject to change without prior notice. The information in this datasheet is not exhaustive. Application conditions should comply with those mentioned in this datasheet. The company is not responsible for any losses resulting from application under differing conditions.

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