

EMC 6 Surface Treatment Series

Excellent Anti-Corrosion Performance

Benign Surface Treatment Process

Low Cost Ownership

Description

EMC 6 series are an organic/inorganic hybrid solution, which have been designed for anti-corrosion and rusting for metal surfaces such as iron, steel, aluminum and other metals. After a metal is dipped into EMC 6 solution, the surface will be first coated with an inorganic layer and then followed by an organic layer, which can provide excellent protection for the metal surface. The dense hybrid organic/inorganic coating can tolerate some mechanical deformation and high temperature process. The whole coating process takes place at ambient temperature and no post-coating process such as curing at higher temperature is needed. Compared to traditional coating and phosphating processes, EMC 6 has the advantages of less process steps, ambient process temperature and excellent anti-corrosion performance. It can be applied by dipping, spraying and rolling.

Typical Physical Properties

Product Name	EMC 6 series
PROPERTIES OF UNCURED MATERIAL	
Appearance	Pink
Odor	Odorless
Specific Gravity (ASTM D 1475-60)	1.12 g/cc
Viscosity (Ford CUP)	13s

Application Process

Clean Metal Surface -> Dip metal into EMC -> Dry Coat Metal with 6 Solution

Storage & Shelf Life

Store in tightly sealed containers at ambient temperatures. Protect from moisture, evaporation and foreign materials. Process ability of these products can be adversely affected by evaporation and contamination. 12 months provided materials are kept in a sealed original container under specified conditions. Storage beyond this period can produce higher viscosity.

Safety

EMC 6 is a friendly, non-toxic material. However, general hygiene practice is recommended when handling this material. For detailed information, please consult the product SDS.

Package

EMC 6 series are available in one gallon. Other packages are available depending upon customer's request. Contact YINCAE for order information.