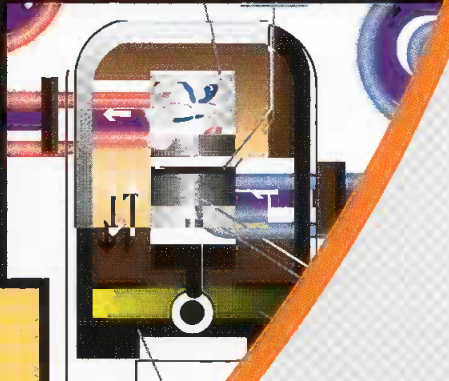


# SIGNOCORR - M

**ROOM TEMPERATURE CURE  
THIN FILM  
ANTI-CORROSIVE COATING**



**SAVE YOUR METALLIC SURFACES**



# SIGNOCORR - M

**SIGNOCORR-M** is a two component room temperature cure nano-composite polymeric material based on Sol-gel chemistry. When applied as transparent coating on metal substrates it protects the metals from various corrosive media. The material produces a mechanically robust thin film with anti-corrosive properties. This coating has excellent mechanical, weather resistance and chemical resistance. These coatings are particularly suitable for direct to metal application.

## TYPICAL APPLICATIONS

- All types of Air conditioner machine condenser units.
- Direct to metal application (Galvanized Steel, Phosphated Steel, Aluminum, Copper, Brass components etc.)
- Metal structures
- Households appliances
- Automotive car bodies
- Under body structure
- Nuts & Bolts and ant other galvanized articles.

## BENEFITS & ADVANTAGES

- Two component room temperature cure
- Replacement of conventional chemical conversion coating like Cr+6or Cr+3metal
- Pre-treatment.
- Excellent adhesion and film hardness
- Excellent salt spray and weather resistance
- Excellent mechanical properties
- Scratch Resistance and high abrasion resistance
- Good resistance against chemicals, acids and alkaline cleaners
- Meets as per ROHS Compliance guidelines

## TECHNICAL INFORMATION

Component A:

Color: Clear liquid

% Active ingredient: 45 ±3%

Specific Gravity: 0.96 ± 0.03

Viscosity at 30 °C: 18 ± 2 sec

Component B:

Color: colorless to pale yellow

Specific Gravity: 0.95 ± 0.03

Viscosity at 30 °C: 17 ± 2 sec

Mixing and drying properties:

Mixing ratio: 3:1 by w/w or 5:2 by v/v (Comp-A: Comp-B)

Pot life: 3-4 hours

Dry film thickness: 6-15 micron

Surface dry: 30 minutes

Touch dry: 2 hrs

Hard dry: Minimum 12 hours

Full Cure: After 7 days (Testing should be to performed after 7 days only).

Shelf Life: 6 months in close packed container.

## APPLICATION METHOD:

Spray or dip (spray method recommended for coils in air conditioner Machines)

## APPLICATION GUIDELINE

Surface Preparation:

The surface of the pre-treated substrate has to be cleaned thoroughly from deposits like finger prints, debris particles form release and slip agents or other process aids left from the manufacturing step.

## MIXING AND APPLICATION:

The application of the coating is conducted under normal temperature and surrounding conditions.

- Shake both the component separately before using
- Mix Component-A and Component-B in ratio of 3:1 by weight or 5:2 by v/v
- The liquid solution can be applied by using dip process and spray on thoroughly cleaned surface
- Cured at Room Temperature for 2 hours for touch dry and minimum 12 hours for hard dry

## PRECAUTIONS

- Don't apply materials below dew point and above 50°C
- COMBUSTIBLE: Keep material away from open flame
- Avoid rain during application till the surface is dried.
- Use proper protective equipment while handling.
- Avoid direct contact with skin and eyes. In case of contact wash thoroughly with plenty of water
- Consult physician if necessary.

# SIGNET

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