

# CorShield® Transit Water Based Temporary Coating

## DESCRIPTION

Corshield® Transit is a fast drying, water-based temporary coating that provides protection in sheltered outdoor and packaging, shipping, and storage applications. Provides multi-metal protection. Avoid direct exposure to rain and outdoor elements.

## PACKAGING & STORAGE

Corshield® Transit is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. Keep product from freezing.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years



## CHARACTERISTICS/TECHNICAL DATA

Volume Solids	10-20%
Gloss (ASTM D532)	NA
VOCs (ASTM D3960)	0 lbs/gal (0 g/L)
Viscosity	40-60 secs Zahn #3
Pencil Hardness (ASTM D3363)	NA
Spreading Rate	160-320 sq. ft./gal @ 1.0 mil DFT (3.9-7.9 sq.m/L @ 25 µm)
Weight per Gallon	8.3 lbs/gal (1.00 kg/L)
Flash Point	>212 °F (>100 °C)
Recommended DFT	<0.5 mil (12.5 µm)
Recommended WFT	1.0 (25 µm)
Dry to Touch	30 min
Dry to Handle	1-2 hrs
Recoat Time	NA
Force Dry	15-20 min @ 150 °F (65 °C)
Full Cure	NA
Salt Spray (ASTM B117)	NA
Humidity (ASTM D1748)	200 hrs
Adhesion (ASTM D3359)	NA
Flexibility (ASTM D522)	½" mandrel (1.27 cm)

\*All tests performed after a 7 day cure at ambient temperature

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## APPLICATION

### Surface Preparation

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, rust inhibitors (except Cortec® approved) or any other surface contamination that could affect adhesion. Cortec® recommends a minimum of a SSPC-SP1 over painted surfaces. For bare metal applications, Cortec® recommends a NACE #3/ SSPC-SP6.

*Note: Make sure dew point is more than 5 °F (2 °C) less than air temperature for application. Power agitate to a uniform consistency using a "squirrel cage" type mixer, hand-held drill mixer, or other equivalent method. Corshield® Transit can be applied by spray, roll, brush, or dip.*

### Typical Equipment Setups

#### HVLP / Conventional Spray

- Tip 0.02"-0.11" (0.5 - 2.8 mm)\* dependent upon pressures and viscosity
- Air Pressure 45-55 psi
- Fluid Pressure 10 psi
- Fluid hose should be 3/8" (0.95 cm) I.D. with a maximum length of 50 feet (15.2 m). 1/4" (0.64 cm) I.D. fluid hose can be used but pressures may need to be adjusted. Pot should always have dual regulation and be kept at same elevation as spray gun.

#### Air Assisted Airless / Airless

- Tip 0.015"-0.035" (0.38 - 0.89 mm)\* dependent upon pressures and viscosity
- Pressure 1800-2500 psi
- Hose should be 3/8" (0.95 cm) I.D. minimum, but a 1/4" (0.64 cm) I.D. whip end section may be used for ease of application. A maximum length of 100 feet (30.5 m) is suggested.

### Cleanup

Clean tools/equipment immediately after use with water when coating is still wet. For removal of CorShield® Transit Coating applied to a metal surface, use a VpCI®-41x Series Alkaline Cleaner/Degreaser. Follow mfg's safety recommendations when using any solvent.

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#### LIMITED WARRANTY

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