

Duplex Fouling Release System

PRODUCT DATA/APPLICATION INSTRUCTIONS FOR SURFACE COAT – 940 SERIES

(For Marine & Industrial)

- Toughened tie coat layer provides superior adhesion between surface epoxy and Duplex System surface coat
- Provides enhanced durability to Duplex System silicone fouling release surface layer
- Provides longer system life
- Available in a variety of colors
- Suitable for most vessels in a wide range of operating environments (8-43 knots)
- For lower operating speeds, please inquire

PHYSICAL DATA

Finish:	Gloss	
Colors Available:	Black, Red & Blue	
Colors Coming Soon:	Gray & Off White	
Components:	2	
Mix Ratio:	6:1 (Part A to Part B)	
Curing Mechanism:	Solvent release/chemical reaction	
Volume Solids (ASTMD2697):	82% (± 2%)	
Wet Film Thickness:	8-15 mils (203-381 microns)	
Dry Film Thickness:	6-12 mils (152-305 microns)	
Coats:	1	
Theoretical Coverage:	ft ² /gal	m ² /L
@ 6-12 mil (152-305 microns)	110-219	2.70-5.38
	Allow for loss in mixing and application	
VOC (as mixed):	lb/gal	g/L
	0.96	115
Shelf Life:	12 months unopened. Store indoors, out of direct sunlight, 40°F to 80°F	
Flash Point (SETA):	<65°F	<19°C
Thinner:	Not normally required. If necessary, thin up to maximum of 3 ounces per gallon using VM&P Naptha.	
Equipment Cleaner:	VM&P Naptha	
Pot Life:	1 hour at 75°F (24°C) Pot life times will be less at higher temperatures	
Sweat-in-Time:	None	

TYPICAL USES

- Marine and Industrial use where marine growth is a problem
- Where long-life fouling protection in severe service is required
- Where a reduction in operating costs and plant outages is desirable
- Where limiting time in dry dock is desirable
- Where reduced time is desired for maintenance and cleaning
- Where regulations ban or restrict the use of organotin TBT compounds, copper ablative, or other anti-fouling paints

SURFACE PREPARATION

The Surface Coat is applied to clean and dry Tie Coat according to Application Data Sheets.

APPLICATION DATA

Adhere to all application instructions, precautions, conditions and limitations to obtain the maximum performance. For conditions outside the requirements or limitations described, contact your FUJIFILM Hunt Smart Surfaces, LLC representative.

Applied Over:	Duplex System Tie Coat
Method:	Brush, roller or airless spray

Application Conditions:

CONDITION	MATERIAL	SURFACE	AMBIENT	HUMIDITY
Minimum	40°F (4°C)	40°F (4°C)	40°F (4°C)	30%
Maximum	90°F (32°C)	100°F (38°C)	90°F (32°C)	80%

This product requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can interfere with proper adhesion. Special application techniques may be required above or below normal application conditions.

Drying and Curing Schedule:

(Based on 6 mils, 152 microns dry film thickness)

	°F / °C			
	40/4	50/10	75/24	90/32
Before immersion			24 hrs	

Higher film thickness, insufficient ventilation, or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure. Excessive humidity or condensation on the surface during curing may interfere with the cure. During high humidity conditions, it is recommended that the application be done while the temperatures are increasing.

APPLICATION EQUIPMENT

The following is a guide. Changes in pressure and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with VM&P Naptha. Thoroughly mix material using a mixer powered by air or an explosion-proof electric motor.

* It is recommended to use dedicated fluid lines for this material.

Method:	Brush, roller or airless spray
Airless Spray:	
Unit:	Graco 56:1 or equivalent
Pressure:	3600-4000 psi
Hose:	3/8"
Tip:	0.021 inch (0.53mm)
Reducer:	<3 ounces of VM&P Naptha per gallon (thin only for workability)
Clean Up:	VM&P Naptha

APPLICATION PROCEDURE

1. Stir material thoroughly and continue stirring during application to insure pigment suspension.
2. Viscosity when measured with #5 Zahn Cup should be in the range of 40 to 45 seconds.
3. Apply a wet coat in even, parallel passes; overlap each pass 50 percent to avoid pinholes, bare areas or holidays. Give special attention to weld seams, rough or badly pitted areas. If required, cross spray at right angles. A stripe coat is required on sharp edges, corners and hard to reach areas.
4. For touch-up and repair, utilize the FUJIFILM Hunt Smart Surfaces, LLC Repair procedure. Consult your representative for specific recommendations.
5. **CLEAN APPLICATION EQUIPMENT IMMEDIATELY AFTER USE! Very thorough cleaning with VM&P Naphtha, leaving no residue, is required to prevent hardening and setting of sprayer ball valves. After cleaning, flush the pump and lines thoroughly with VM&P Naphtha.**

SAFETY PRECAUTIONS

Read material safety data sheet before use. Safety precautions must be strictly followed during storage, handling and use.

CAUTION – Improper use and handling of this product can be hazardous to health.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mist concentration within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and buildings.

This product is to be used by those knowledgeable about proper application methods. FUJIFILM Hunt Smart Surfaces, LLC makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which FUJIFILM Hunt Smart Surfaces, LLC is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

SHIPPING DATA

Packaging:	5 gallon containers (18.93 liters)
Shipping weight (approx):	5 Gallon Kit 40 lbs (18.1 kg)

Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities. Improper use and handling of this product can be hazardous to health.

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