

SUPERLIFE-316 DTMR

DESCRIPTION

Superlife-316 DTMR is a single package, water reducible, acrylic emulsion pigmented with alloy 316 stainless steel flake. It is non-flammable, low VOC, and offers high corrosion resistance and long term durability. It has superior adhesion and good abrasion resistance.

USES

Superlife-316 DTMR, a liquid stainless steel coating that can be used as a direct to metal primer and/or topcoat on properly prepared steel, galvanized steel, tin, aluminum and concrete. It can also be used as a topcoat over primed steel surfaces and most previously painted surfaces in corrosive atmospheres. It has the ability to adhere to metal surfaces with slight contamination of oils or greases. See surface preparation section below.

APPEARANCE

Low sheen metallic gray with other metallic colors available.

RECOMMENDED PRIMER

Prime Solution 5250 Red / 5253 Gray

PHYSICAL PROPERTIES

WEIGHT PER GALLON	9.7 lbs.
SOLIDS BY WEIGHT	38%
SOLIDS BY VOLUME	28%
RECOMMENDED DFT	2.0 mils Dry Film Thickness
NUMBER OF COATS	2 (4.0 minimum DFT)
WET FILM TO ACHIEVE DFT (Unthinned material)	7.0 mils
THEORETICAL COVERAGE.. @ 1 Mil DFT	450 sq. ft./gallon
PRACTICAL COVERAGE @ RECOMMENDED DFT (Assumes 15% material loss)	200 sq. ft./gallon
DRY TIMES @ 70°F - 80° F (21°-27°C) AND 50% RH	Tack Free 15-30 minutes Handle 1/2-1 hour Recoat 1-2 hours Fully Cured 7 days (can be accelerated)
DRY HEAT RESISTANCE	400° F
SHELF LIFE	2 years
PACKAGING	Gallon, 5 Gallon and 55 Gallon Drum

SURFACE PREPARATION

GENERAL

Quality paint jobs occur with quality preparation, products and application. Quality preparation includes cleaning the surface to be painted to remove all contaminants. Some customers do not have the proper equipment to adequately clean parts to be coated with water base coatings and may only solvent wash parts. For those customers, we have developed Superlife-316 DTMR. Superlife-316 DTMR, in laboratory tests, is able to bite through to surfaces contaminated with motor oil, cutting oils and mineral oils. Steel test plates were coated with oil and wiped with a paper towel to remove excess oil. The test plates were then sprayed with Superlife-316 DTMR air dried for 7 days or heat dried at 160°F for 2 hours. The coating was then tested for adhesion using ASTM D3359 cross hatch adhesion test method and rated 5B or 100% adhesion. While we would always recommend that surfaces be cleaned as well as possible, tests indicate that Superlife-316 DTMR can supply a quality paint job on surfaces with some oil contamination. We recommend you test Superlife-316 DTMR in your process to determine results in your application.

Steel surfaces should have rust, grease, dirt, oil or loose paint removed. We recommend washing with BC 4000 Cleaner/degreaser. Solvent wash and wipe would be a second choice. Previously painted surfaces should be blasted or cleaned to remove rust, loose paint, chalk, grease and oil. Rusty steel that cannot be blasted should be wire brushed and primed with BRC-6000 rust conversion primer.

APPLICATION

Apply only when air and surface temperatures are between 50° F and 100° F and surface temperature is at least 5° F above the dew point.

THINNING ROLLER/BRUSH -	Fresh Water Thinning is normally not required. Use 5%-10% if needed. (approximately 1/2 pint per gallon)
AIR-ATOMIZED SPRAY - or HVLP	Fresh Water Thinning normally not required. Use 5%-10% if needed (approximately 1/2 pint per gallon).
AIRLESS SPRAY - or AIR ASSISTED AIRLESS	Fresh Water Thinning normally not required, use 5%-10% if needed (approximately 1/2 pint per gallon)
CLEANUP	Fresh Water

EQUIPMENT RECOMMENDATIONS

BRUSH	Use good quality synthetic bristle brush.
ROLLER	Use good quality synthetic roller cover.
AIR ATOMIZED SPRAY	Follow equipment manufacturers nozzle and needle selection recommendation for use with heavy latex paint.
AIRLESS SPRAY	Use .019 to .023 tip at 2000 to 2500 psi.
HOT SPRAY	Recommended temperature 100° F to 120 F.

SAFETY INFORMATION

VOC	1.75 lbs per gallon less water, 210 grams per liter less water.
FLASH POINT	Non-Flammable
USDA	Authorized by USDA for use in federally inspected meat and poultry plants

WARNING

Do not take internally. Close containers tightly after use and keep upright. In case of spillage absorb and dispose of in accordance with local applicable regulations.

For specific information refer to the **Material Safety Data Sheet**.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN
PRODUCT ORDERING INFORMATION: SUPERLIFE-316 DTMR

<u>Product Number</u>	<u>Size</u>	<u>Wt./Case</u>	<u>Case Quantity</u>
10-0318-01	Gallon	41	4
10-0318-05	5 Gallon	51	1
10-0318-55	55 Gallon	575	1

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