

PRODUCT CODE:	ARMOR SHIELD AS8306 (M6) GRAY
END USE:	ALUMINUM DTM COATING FOR STRUCTURAL STEEL, BRIDGES, TRANSMISSION TOWERS AND TANK EXTERIORS.
RESIN TYPE:	CALCIUM SULFONATE ALKYD (CSA)
SOLVENT TYPE:	ALIPHATIC HYDROCARBON
VISCOSITY:	90 - 120 KU'S @ 77°F (25°C)
WEIGHT/GALLON	9.39 ± 0.5 LBS
WEIGHT % SOLIDS:	72 ± 2.0
VOLUME % SOLIDS:	57 ± 2.0
SURFACE PREPARATION:	SSPC SP-1, FOLLOWED BY SSPC SP-2, SSPC SP-3, SSPC SP-6, SSPC SP-7 OR SSPC SP-14 (OR EQUIVALENT NACE STANDARDS).
WET FILM:	7 - 12 MILS
DRY FILM:	4 - 7 MILS
FLASH POINT:	105°F
GLOSS 60°:	LOW
THINNER RATIO:	IF REQUIRED USE UP TO 10% MINERAL SPIRITS BY VOLUME.
V.O.C.	2.77 LBS./GALLON (332 gms/liter).
CHARACTORISTICS:	FIRM DRY PROPERTIES. HIGH SOLIDS AND EXCELLENT CORROSION RESISTANCE. CAN BE APPLIED OVER TIGHT RUST.
PERFORMACE CHARACTORISTICS:	
SYSTEM TESTED:	STEEL BLASTED TO SSPC-SP10, 1 COAT OF AS8306 @ 8 MILS DFT
CYCLIC WEATHERING:	ASTM D5894, 4 CYCLES OR 1500 HOURS (MINIMUM) RUSTING ASTM D610 - RATING 10 BLISTERING ASTM D714 - RATING 10 UNDERCUTTING ASTM D1854 - RATING 10
SALT FOG RESISTANCE:	ASTM DB117, 1500 HOURS (MINIMUM) RUSTING ASTM D610 - RATING 10 BLISTERING ASTM D714 - RATING 10 UNDERCUTTING ASTM D1854 - RATING 10
PENCIL HARDNESS:	ASTM D3363 5B
FLEXIBILITY:	ASTM D522 PASES 180° BEND ON 1/8" MANDREL

APPLICATION INSTRUCTIONS

THE RECOMMENDED APPLICATION METHOD FOR ARMOR-SHIELD CSA PRODUCTS IS AS A SINGLE COAT SYSTEM APPLIED AT 7 – 18 mils (175 – 450 microns) WFT OR AS SPECIFIED BY DRY FILM REQUIREMENTS. WHEN USING A TWO-COAT APPLICATION METHOD (i.e. PRIMER/TOPCOAT), A MINIMUM OF 6 HOURS IS REQUIRED BETWEEN COATS.

EQUIPMENT: AIRLESS SPRAY – 30:1 GRACO BULLDOG WITH 3/8” I.D. HIGH PRESSURE LINE AND A GRACO SILVER GUN WITH A 0.017”-0.021” SPRAY TIP.

CONVENTIONAL SPRAY – USE A DV-MBC GUN OR EQUIVALENT WITH A “D” FLUID NOZZLE AND A 64 AIR CAP.

NOTE: BRUSH AND ROLLER APPLICATION CAN BE USED AS WELL AS OTHER SPRAY EQUIPMENT. CONTACT YOUR REPRESENTATIVE FOR RECOMMENDATIONS.

SAG RESISTANCE: 30 MILS DFT

COVERAGE: 175-190 SQUARE FEET PER GALLON @ 5 MILS DFT.

THINNING: UP TO 10% WITH MINERAL SPIRITS AS NECESSARY.

MIXING: MIX BY HAND UNTIL UNIFORM OR POWER MIX IF DESIRED.

DRYING TIMES: DUST FREE.....2 -6 HOURS @ 25°C, 5 MILS DFT, 50% RH
FIRM.....20 - 48 HOURS @ 25°C, 5 MILS DFT, 50% RH
RECOATABILITY.....NO MAXIMUM

MAY BE APPLIED AT TEMPERATURES DOWN TO 0°F AS LONG AS NO ICE, FROST, SNOW, ETC. IS PRESENT.

CLEAN-UP: CLEAN EQUIPMENT WITH MINERAL SPIRITS.

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