

TRAFFIC CONTROL (CONT'T)

COATING, EPOXY-PRIME COAT, SUPPORT SECTIONS

THIS ITEM SHALL CONSIST OF THE APPLICATION OF ONE (1) COAT OF AN EPOXY PRIMER TO SUPPORT SECTIONS. THE TOTAL DRY FILM THICKNESS OF THIS COAT SHALL BE BETWEEN 1.5 TO 2.0 MILS. IF MORE THAN ONE PASS IS NECESSARY TO OBTAIN THE REQUIRED MIL THICKNESS THAT COST SHALL BE BORNE BY THE CONTRACTOR. THE COLOR OF THIS COAT SHALL BE NOTICEABLY DIFFERENT FROM THE BASE MATERIAL AND OTHER COATS. THIS COAT SHALL IN ALL CASES BE APPLIED OVER SURFACES THAT WERE PREPARED EARLIER THAT SAME DAY. THE THINNING OF THE EPOXY MATERIAL IS STRICTLY PROHIBITED. MATERIAL NOT CAPABLE OF BEING APPLIED AS SPECIFIED SHALL NOT BE USED.

WHEN THE AVERAGE DRY FILM THICKNESS OF THIS COAT OVER THE ENTIRE SUPPORT SECTION IS LESS THAN THE SPECIFIED 1.5 TO 2.0 MILS BUT IS AT LEAST 1.25 MILS, THE CONTRACT BID PRICE FOR THIS ITEM SHALL BE REDUCED IN DIRECT PROPORTION TO THE PERCENT DEFICIENCY OF COATING UP TO 16-2/3%. IF THE DEFICIENCY OF COATING IS MORE THAN 16-2/3% (I.E., THE AVERAGE DRY FILM THICKNESS IS LESS THAN 1.25 MILS) THE WORK FOR THIS ITEM SHALL BE CONSIDERED UNSATISFACTORY AND SHALL BE RECOATED AT THE FULL EXPENSE OF THE CONTRACTOR, INCLUDING ALL LABOR, EQUIPMENT, AND MATERIAL.

THE EPOXY PRIME COAT CHOSEN BY THE CONTRACTOR SHALL BE ONE OF THE FOLLOWING TWO-COMPONENT COMPOSITIONS CONFORMING TO ITS LISTED PROPERTIES:

AMERCOAT 71
 % SOLIDS BY VOLUME: 47% +/- 2%
 POT LIFE: 8 HRS. • 77 DEGREES F (25 DEGREES C)
 DRYING TIME: 4 HRS. • 77 DEGREES F

EPOXY CHROMATE METAL PRIMER NO. 5251/5252:
 % SOLIDS BY VOLUME: 32.2% +/- 2%
 POT LIFE: 24 HRS. • 80 DEGREES F, 5 HRS. • 100 DEG. F
 DRYING TIME: 1 HR. TO TOUCH, 3-4 HRS. RECOAT
 VISCOSITY: BASE 71-75 KU (STORMER)
 CURING AGENT 56-60 KU (STORMER)
 % SOLIDS BY WEIGHT: 51.5% +/- 2%

MCR-4301 EPOXY PRIMER
 % SOLIDS BY VOLUME: 48.0% +/- 2%
 POT LIFE: 30 HRS. • 50-60 DEG. F.
 16 HRS. • 80-100 DEG. F.
 DRYING TIME: 4-6 HRS. • 50-60 DEG. F.

MARK-60 (ULTRAPOX):
 % SOLIDS BY WEIGHT: 70-75% +/- 2%
 POT LIFE: 6 HRS. • 75 DEGREES F
 DRYING TIME: 2-3 HRS. INITIAL SET • 75 DEGREES F
 VISCOSITY: 300-500 CPS • 75 DEGREES F

TILE-CLAD II HI-BILD PRIMER
 % SOLIDS BY VOLUME: 48% +/- 2%
 % SOLIDS BY WEIGHT: 63% +/- 2%
 POT LIFE: 8 HRS. • 77 DEGREES F
 DRYING TIME: 1 HR. TO TOUCH, 6 HRS. TO RECOAT • 77 F

FOR NEW SUPPORT SECTIONS THIS PRIME COAT SHOULD BE DONE AT THE MANUFACTURER OF THE SUPPORT SECTIONS. VERIFICATION BY THE MANUFACTURER OF THE COATING MATERIAL FOR THE PRIME COAT PROCEDURES WILL BE REQUIRED. CAREFUL HANDLING AND STORAGE WILL BE REQUIRED TO PREVENT ANY SCRAPING, MARRING, OR OTHER SURFACE DAMAGE TO THE PRIME COAT.

THE PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, HANDLING COSTS, AND MATERIALS NECESSARY TO ACCOMPLISH THIS ITEM OF WORK. THIS PRIME COAT SHALL BE MANUFACTURED BY THE THE SAME COMPANY SUPPLYING THE INTERMEDIATE AND TOP COATS. A PROPERLY CALIBRATED DRY FILM THICKNESS INSTRUMENT WILL BE USED TO CHECK THE COATING.

BASIS OF PAYMENT WILL BE AS FOLLOWS:

ITEM SPECIAL - COATING, EPOXY PRIME COAT, SUPPORT SECTIONS AT CONTRACT BID PRICE PER EACH MAJOR SUPPORT SECTION.

COATING, EPOXY INTERMEDIATE COAT, SUPPORT SECTIONS

THIS ITEM SHALL CONSIST OF THE APPLICATION OF ONE (1) COAT OF EPOXY TO SUPPORT SECTIONS. THE TOTAL DRY FILM THICKNESS OF THIS COAT SHALL NOT BE LESS THAN SIX (6.0) MILS. IF MORE THAN ONE PASS IS NECESSARY TO OBTAIN THE REQUIRED THICKNESS, THAT COST SHALL BE BORNE BY THE CONTRACTOR. THINNING OF THE EPOXY MATERIAL IS STRICTLY PROHIBITED. MATERIAL NOT CAPABLE OF BEING APPLIED AS SPECIFIED SHALL NOT BE USED. THE COLOR OF THIS COAT SHALL BE LIGHT GREY.

WHEN THE AVERAGE DRY FILM THICKNESS OF THIS COAT OVER THE ENTIRE SUPPORT SECTION IS LESS THAN THE SPECIFIED SIX (6.0) MILS BUT IS AT LEAST (5.0) MILS, THE CONTRACT PRICE FOR THIS ITEM SHALL BE REDUCED IN DIRECT PROPORTION TO THE PERCENT DEFICIENCY OF COATING UP TO 16-2/3%. IF THE DEFICIENCY OF COATING IS MORE THAN 16-2/3% (I.E. THE AVERAGE DRY FILM THICKNESS IS LESS THAN 5.0 MILS) THE WORK FOR THIS ITEM SHALL BE CONSIDERED UNSATISFACTORY AND SHALL BE RECOATED AT THE FULL EXPENSE OF THE CONTRACTOR, INCLUDING ALL LABOR, EQUIPMENT, AND MATERIAL.

THE EPOXY INTERMEDIATE COAT CHOSEN BY THE CONTRACTOR SHALL BE ONE OF THE FOLLOWING TWO-COMPONENT COMPOSITIONS CONFORMING TO ITS LISTED PROPERTIES.

AMERLOCK 400:
 % SOLIDS BY VOLUME: 83% +/- 2%
 POT LIFE: 2-1/2 HRS. • 70 DEGREES F
 DRYING TIME: 20 HRS. • 70 DEGREES F

GLID-GUARD EPOXY CHEMICAL RESISTANT FINISH NO. 5240 SERIES:
 % SOLIDS BY VOLUME: 44.7% +/- 2%
 POT LIFE: 10 HRS. • 80 DEGREES F
 DRYING TIME: 4 HRS. • 77 DEGREES F TO HANDLE
 VISCOSITY: 68-72 KU
 % SOLIDS BY WEIGHT: 58.0% +/- 2%

MCR 4361 HIGH BUILD EPOXY (OFF-WHITE)
 % SOLIDS BY VOLUME: 49.4% +/- 2%
 POT LIFE: 30 HRS. • 50-60 DEG. F.,
 16 HRS. • 80-100 DEG. F.
 DRYING TIME: 1-2 HRS. • 60-80 DEG. F.

MARK-60 ULTRAPOX:
 % SOLIDS BY WEIGHT: 70-75% +/- 2%
 POT LIFE: 6 HRS. • 75 DEGREES F
 DRYING TIME: 2-3 HRS. INITIAL SET • 75 DEGREES F
 VISCOSITY: 300-500 CPS • 75 DEGREES F

HI-SOLIDS CATALYZED EPOXY:
 % SOLIDS BY VOLUME: 61% +/- 2% (PURE WHITE)
 % SOLIDS BY WEIGHT: 77% +/- 2% (PURE WHITE)
 POT LIFE: 5 HRS. • 77 DEGREES F
 DRYING TIME: 1 HR. TO TOUCH, 4 HRS. TACK FREE, 6 HRS. TO RECOAT • 77 DEGREES F & 50% R.H.

AT LEAST 24 HOURS BUT NO MORE THAN THREE (3) DAYS SHALL ELAPSE AFTER THE APPLICATION OF THE EPOXY PRIME COAT AND BEFORE THE APPLICATION OF THE EPOXY INTERMEDIATE COAT. SURFACES SHALL IN ALL CASES BE CLEAN BEFORE THE INTERMEDIATE COAT IS APPLIED.

FOR NEW SUPPORT SECTIONS, THIS INTERMEDIATE COAT SHOULD BE DONE AT THE MANUFACTURER OF THE SUPPORT SECTIONS. VERIFICATION BY THE MANUFACTURER FOR THE INTERMEDIATE COAT PROCEDURE WILL BE REQUIRED. CAREFUL HANDLING AND STORAGE WILL BE REQUIRED TO PREVENT ANY SCRAPING, MARRING OR OTHER SURFACE DAMAGE TO THE INTERMEDIATE COAT.

THE PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, HANDLING COSTS, AND MATERIAL NECESSARY TO ACCOMPLISH THIS ITEM OF WORK. THIS INTERMEDIATE COAT SHALL BE MANUFACTURED BY THE SAME COMPANY SUPPLYING THE PRIME AND TOP COATS. A PROPERLY CALIBRATED DRY FILM THICKNESS INSTRUMENT WILL BE USED TO CHECK THE COATING.

BASIS OF PAYMENT WILL BE AS FOLLOWS:

ITEM SPECIAL - COATING, EPOXY INTERMEDIATE COAT, SUPPORT SECTIONS AT CONTRACT BID PRICE PER EACH MAJOR SUPPORT SECTION.