

## STAIR LANDING MEMBRANE DETAIL

REFERENCE SPECS FOR APPLICATION RATES.

PRIMER AND PER-STRIPPING SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS.

### MEMBRANE NOTES

- PROJECT CONDITIONS:

  1. DO NOT PROCEED WITH APPLICATION OF MATERIALS WHEN DECK TEMPERATURE IS LESS THAN 40 DEGREES F OR WHEN DEW POINTS ARE WITHIN 5'F OF THE SURFACE TEMPERATURE.
- 2. DO NOT APPLY MATERIALS UNLESS SURFACE TO RECEIVE COATING IS CLEAN AND DRY. 3. REMOVE ALL LOOSE AND DELAMINATED MEMBRANE.
- 4. CONTRACTOR SHALL COORDINATE A MEETING WITH OWNER,
  ENGINEER AND MATERIAL MANUFACTURER'S REPRESENTATIVE TO REVIEW APPLICATION, MAINTENANCE REQUIREMENTS, MATERIAL

- REVIEW APPLICATION, MAINTENANCE REQUIREMENTS, MAILENGE.

  LIMITATIONS AND WARRANTY.

  5. PROVIDE IN WRITING FROM MANUFACTURER THAT TRAFFIC BEARING MEMBRANE SYSTEM IS COMPATIBLE WITH EXISTING CONDITIONS.

  6. ENSURE TRAFFIC STRIPING PAINT IS COMPATIBLE WITH THE SELECTED TRAFFIC BEARING MEMBRANE.

  7. APPLICATION SHALL BE APPROVED BY TRAFFIC MEMBRANE MANUFACTURER WITH A MINIMUM OF 5 YEARS OF EXPERIENCE WITH SUBJECTED MATERIAL AND APPLICATION. SURMITTED MATERIAL AND APPLICATION.
- SUBMITTED MATERIAL. AND APPLICATION.

  B. CONTRACTOR SHALL VERIFY THAT ALL REPAIR/PATCH MATERIALS AND JOINT SEALANTS ARE COMPATIBLE WITH MEMBRANE.

  MATERIAL SUPPLIER SHALL PERFORM AN ADHESION TEST TO
- EXISTING TRAFFIC MEMBRANE AND CONCRETE SURFACES (REFERENCE MOCKUP).

WARRANTY:
1. SUBMIT SAMPLE WARRANTY THAT STATES THAT THE MATERIAL AND LABOR / WORKMANSHIP INVOLVED IN THIS APPLICATION WILL BE WARRANTED FOR 5 YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION BY THE INSTALLER AND MANUFACTURER. FULLY EXECUTED WARRANTY REQUIRED PRIOR TO FINAL PAYMENT.

- CODES AND QUALITY CONTROL:

  1. COMPLY WITH PROVISIONS OF THE FOLLOWING EXCEPT AS OTHERWISE INDICTED:
- A. ICRI GUIDELINES NO. 03732 "SELECTING AND SPECIFYING CONCRETE SURFACE PREPARATION FOR SEALERS, COATINGS AND POLYMER OVERLAYS"
- B. CODE OF FEDERAL REGULATIONS, PART 1926 PER OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), DEPARTMENT OF LABOR (LATEST EDITION).
- C. REQUIREMENT OF REGULATORY AGENCIES: MATERIALS USED IN THE TRAFFIC COATING SYSTEM SHALL MEET EXISTING FEDERAL, STATE, AND LOCAL VOC REGULATIONS.

### SYSTEM DESCRIPTION:

1. TRAFFIC MEMBRANE SHALL BE A COMPLETE SYSTEM OF COMPATIBLE MATERIALS SUPPLIED BY THE MANUFACTURER TO CREATE A SEAMLESS WATERPROOF MEMBRANE.

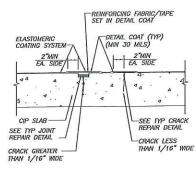
- EXAMINATION:
  1. CONCRETE: VERIFY THAT THE WORK DONE UNDER OTHER SECTIONS MEETS THE FOLLOWING REQUIREMENTS:

  A. THAT THE CONCRETE DECK SURFACE IS FREE OF RIDGES
- AND SHARD PROJECTIONS.
  THAT THE CONCRETE WAS CURED FOR A MINIMUM OF 28
- DAYS (MINIMUM OF 5.000 PSI COMPRESSIVE STRENGTH). WATER-CURED TREATMENT OF CONCRETE IS PREFERRED.
  THE USE OF CONCRETE CURING AGENTS REQUIRE
  WRITTEN APPROVAL THE TRAFFIC MEMBRANE MANUFACTURER.
- THAT THE CONCRETE WAS FINISHED BY A POWER OF HAND STEEL TROWEL FOLLOWED BY SOFT HARD BROOM TO OBTAIN LIGHT TEXTURE OR "SIDEWALK" FINISH.
- THAT DAMAGED AREAS OF THE CONCRETE DECK BE

- STEEL SURFACE PREPARATION.

  1. REMOVE ALL DUST, DEBRIS AND OTHER CONTAMINANTS FROM ALL STEEL SURFACES TO RECEIVE MEMBRANE.

  2. SURFACES MUST BE CLEANED BY MECHANICAL MEANS TO BRIGHT METAL AND PRIMED IMMEDIATELY.



# TYP MEMBRANE JOINT/CRACK DETAIL

NOTES:

1. INSTALLATION OF THE TRAFFIC MEMBRANE DETAIL COATS
OVER JOINTS AND CRACKS IS A REQUIREMENT AND MUST BE
INSTALLED AFTER THE PRIMER HAS BEEN APPLIED BUT PRIOR TO APPLICATION OF FULL MEMBRANE SYSTEM.

- 1. PROTECT PLANTS, VEGETATION, VEHICLES AND PEDESTRIANS WHICH MIGHT BE AFFECTED BY COATING. USE DROP CLOTHS OR MASKING
- 2. ADHERE TO SPECIFICATIONS AND MANUFACTURER'S
- 3. CLEANING: SURFACES CONTAMINATED WITH OIL OR GREASE SHALL BE VIGOROUSLY SCRUBBED WITH A POWER BROOM AND A STRONG NON-SUDSING DETERGENT. THOROUGHLY WASH, CLEAN, AND DRY. AREAS WHERE OIL OR OTHER CONTAMINANTS PENETRATE DEEP INTO THE CONCRETE MAY REQUIRE REMOVAL BY MECHANICAL
- 4. ALL SURFACE PREPARATION WORK SHALL BE COMPLETED PRIOR TO THE COATING APPLICATION, INSTALLATION OF MEMBRANE SHALL INDICATE ACCEPTANCE OF SURFACE.

  5. SHOT BLASTING: REQUIRED SURFACE PREPARATION METHOD FOR
- REMEDIAL CONSTRUCTION, IS ALSO THE PREFERRED METHOD FOR NEW CONSTRUCTION. MECHANICALLY PREPARE SURFACE BY SHOT BLASTING TO INDUSTRY STANDARD SURFACE TEXTURE (ICRI'S
- CSP3-4).
  6. SUBSTRATE SHALL BE TESTED FOR ACCEPTABLE MOISTURE CONTENT.
- 7. CRACKS AND COLD JOINTS: VISIBLE HAIRLINE CRACKS (UP TO 16")
  IN CONCRETE AND COLD JOINTS SHALL BE CLEANED, PRIMED AS
  REQUIRED AND TREATED WITH MEMBRANE COATING A MINIMUM DISTANCE OF 2" ON EACH SIDE OF CRACK TO YIELD A TOTAL THICKNESS OF 30 DRY MILS. ALL CRACKS SHALL BE ROUTED AND SEALED. WHERE SEALANT IS USED IT SHALL BE APPLIED TO INSIDE AREA OF CRACK ONLY, NOT APPLIED TO DECK SURFACE, 2" ON EACH SIDE OF CRACK TO YIELD A TOTAL THICKNESS OF 30 DRY MILS.
- 8. CONTROL DETAIL SEALED JOINTS WITH REINFORCING FABRIC/TAPE SET IN MEMBRANE DETAIL COAT A DISTANCE OF 2" ON EACH SIDE OF CRACK TO YIELD A TOTAL THICKNESS OF 30 DRY MILS 9. FLASHING TAPE: INSTALL FLASHING TAPE OR REINFORCING FABRIC
- WHERE REQUIRED BY MANUFACTURER PRIOR TO THE APPLICATION OF COATING.

  10.SURFACE CONDITIONS: SURFACE SHALL BE CLEAN AND DRY
- PRIOR TO COATING.

- 1. ENSURE THE PROPER WET FILM THICKNESS BY THE USE OF A GRID SYSTEM, DIMDE SURFACE INTO GRIDS AND CALCULATE THE SQUARE FOOTAGE AND REFERENCE MANUFACTURERS COVERAGE CHART TO DETERMINE THE QUANTITY OF MEMBRANE REQUIRED TO ACHIEVE NOTED WET MIL THICKNESS.
- ACHIEVE NOTED WET MIL THICKNESS.

  2. PRIMER: APPLY PRIMER AT A MINIMUM RATE OF 300 SF/GAL TO ALL CONCRETE AND EXISTING MEMBRANE SURFACES. WITHIN 24 HOURS OF APPLICATION OF PRIMER BASE COAT OR WEARING COURSE MUST BE APPLIED. IF BASE COAT CANNOT BE APPLIED WITHIN 24 HOURS, RE-PRIME.

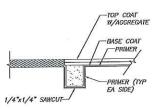
  3. REFERENCE SPECS FOR APPLICATION RATES AND MIL THICKNESS
- OF BASE COAT AND WEARING COURSES.
  4. BASE COAT: EXTEND BASE COAT OVER CRACKS AND JOINTS WHICH
- HAVE RECEIVED DETAIL TREATMENT.

  5. TOP COAT: FOLLOW MANUFACTURERS APPLICATION
- RECOMMENDATIONS. 6. MASK OFF AREAS THAT IS NOT TO RECEIVE TRAFFIC MEMBRANE.

TERMINATIONS.

1. AFTER COMPLETION OF APPLICATION DO NOT ALLOW TRAFFIC ON COATED SURFACES FOR A PERIOD OF AT LEAST 36 HOURS AT 75 'F AND 50% R.H. OR UNTIL COMPLETELY CURED.

1. A 4 SQUARE FOOT MOCKUP OF EACH TYPICAL TRAFFIC MEMBRANE INSTALLATION SHALL BE COMPLETED PRIOR TO COMMENCING WORK FOR EACH SYSTEM. MOCKUP SHALL BE TESTED BY MEMBRANE MANUFACTURER OR SUPPLIER FOR TOTAL SYSTEM THICKNESS AND ADHESION AS PER ASTM D-903.



MEMBRANE TERMINATION DETAIL



GARAGE NO STREET PARKING OF PORTLAND, MAINE STAIR REPAIRS AND ZIITS MEMBRANE PRING

Designed JMM AS NOTED RJB 11/30/17 ecker Job Number 4198 Checked JMM