

CHLORALOY®

SPECIFICATION FOR WATERPROOFING WITH CHLORALOY (CPE) CHLORINATED POLYETHYLENE SHEET MEMBRANE (Short Form Specification)

PART 1 - GENERAL

1.1 REFERENCES

- 1.1.1. ASTM D-4068 - Standard Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane.
- 1.1.2. ASTM E96 - Standard Test Methods for Water Vapor Transmission of Materials.

1.2 QUALITY ASSURANCE

- 1.2.1. Use qualified workers thoroughly skilled and experienced in current ANSI A108 standards and Tile Council of America (TCA) recommendations.

1.3 SUBMITTALS

- 1.3.1. Product Data: Submit manufacturer's technical information and installation instructions for materials required.

1.4 PROJECT CONDITIONS

- 1.4.1. Comply with bonding agent manufacturer's recommended procedures for hot or cold weather.

PART 2 - PRODUCTS

[2.1 MATERIALS

- 2.1.1. PRESLOPE MATERIAL: Pro-Slope with weep hole protector as manufactured by Noble Company. Patented composite material consisting of low density EPS with reinforced cutting template on one side. EPS tapered to produce slope of 1/4 inch per foot to weep holes in shower receptor drain.] A sloped mortar may also be used.

2.2 MEMBRANE

- 2.2.1. WATERPROOF MEMBRANE: Chloraloy sheet membrane manufactured by Noble Company of non-plasticized Chlorinated Polyethylene (CPE), nominal thickness of 40 mils with water vapor transmission rate of 5.2 ng/(Pa s m²) (.044 perms) minimum per ASTM E96, procedure E. Meets ASTM D 4068 and listed with IAPMO, and local code authorities.

PART 3 - EXECUTION

3.1 INSPECTION

- 3.1.1. Examine substrates, drains and clamping devices to verify they are ready to receive the membrane with no deficiency that could result in a potentially defective installation. Surfaces to be clean, reasonably smooth and free of cracks, holes or sharp projections.

3.2 INSTALLATION

- 3.2.1. Install membrane in strict accordance with manufacturer's printed instructions.
- 3.2.2. Install membrane with products or methods approved in writing by manufacturer when joining, sealing, fastening or adhering sheet membrane.

[3.3 FIELD QUALITY CONTROL WATER TEST

- 3.3.1. Upon completion of work, plug drain or dam areas and fill with water. After 24 hours, inspect for leakage. Make necessary adjustments to stop leakage and re-test until watertight.]

3.4 PROTECTION

- 3.4.1. Protect membrane from pedestrian or vehicular traffic and prolonged exposure to sunlight.
[Option: leave water from test until membrane is covered.]

NOTE: A specifier is within his rights to issue a proprietary specification that names only one brand. If in the informed and professional judgement of the specifier, his client's needs will be best served by naming a particular brand, then he has the responsibility to limit his specification to one source. This practice is even acceptable on publicly funded projects. This principle of proprietary specification has found legal support in the case of Whitten Corp. v. Paddock Pool Builders, Inc., a Federal District Court case from Massachusetts (376 F. Supp 125). Further support came in 1975 when the U.S. Supreme Court rejected further appeal and review.



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