NOBLESEAL® SIS

SECTION 09300
THIN-BED ACOUSTICAL TREATMENT - SOUND ISOLATION SHEET MEMBRANE
(Short Form Specification)

PART 1 - GENERAL

1.1 REFERENCES

[1.1.1. ANSI A108.13 - Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone.
1.1.2. ANSI A118.10 - Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone.]
1.1.3. ASTM C-627- Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester.
1.1.4. ASTM E90 - Method for Laboratory Measurement of Airborne - Sound Transmission Loss of Building Partitions and Elements.
1.1.5. ASTM E413 - Standard Classification for Determining Sound Transmission Class (STC).
1.1.6. ASTM E492 - Method for Laboratory Measurement of Impact Sound Transmission Through. Floor/Ceiling Assemblies Using the Tapping Machine.
1.1.7. ASTM E989 - Standard Classification for Determining Impact Insulation Class (IIC).

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 MEMBRANE

2.1.1. SOUND ISOLATION/CRACK ISOLATION[/WATERPROOF MEMBRANE]: NobleSeal SIS composite sheet membrane manufactured by Noble Company from acoustically formulated alloy of non-plasticized Chlorinated Polyethylene (CPE), and other synthetic elastomers, nominal thickness of 50 mils, laminated with fabric on both surfaces. Sound Transmission Class (STC) ASTM E90 and ASTM E413, and Impact Insulation Class (IIC) ASTM E492 and ASTM E989. Meets Heavy Duty Service requirements per ASTM C-627. [Conforms to Thin-Bed waterproof membrane standard ANSI A118.10.] [NobleSeal SIS Sound Isolation System with 8" hollow core substrate and sound-rated ceiling assembly to have IIC= 62 and STC= 59.]

PART 3 - EXECUTION

3.1 INSPECTION

3.1.1. Examine substrates to verify they are ready to receive tile and membrane with no deficiency that could result in a potentially defective installation. Prepared substrates to be in accordance with ANSI A108, A3.1 and Tile Council of America (TCA) recommendations.

3.2 INSTALLATION

3.2.1. Install sound isolation membrane and tile per ANSI A108.13 - Waterproofing; ANSI requirements for thin-set methods and 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.

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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