

Part 2 – Products (For complete specifications, see CD version)

2.01 Manufacturers

A. Adurel International, Inc., 820 Water St., Racine WI 53403 800.860.5834 262.643.3446 Fax

2.02 Surface Preparation (optional depending on substrate condition)

A. Adurel CC400 – a highly concentrated biodegradable clean rinsing cleaner / degreaser

2.03 Base Coat (choose one)

A. A404 – acrylic base for under acrylic A808

B. MS2100 – SEBS for base under MS2200

2.04 Reinforcing Mesh

A. Field and flashing mesh

1. PF57 – a 3.0-oz. stitch-bonded polyester

2.05 Primers

A. A606 – aliphatic primer / base coat

2.06 Flashing Mastics

A. A707M – an acrylic elastomeric mastic for use with acrylic finishes.

B. MS2000 – a thermoplastic mastic for use with the thermoplastic finishes

2.07 Finish Coats (choose one)

A. A808 – aliphatic acrylic urethane finish

B. MS2200 – SEBS finish

2.08 Mixing

A. Adurel primers and finishes – Mix to uniform consistency.

Part 3 – Execution

3.01 Acceptable Installers

A. Pre-qualify under Quality Assurance requirements of the specification (section 1.07.B.)

3.02 Examination

A. Inspect substrate for:

1. Moisture content and moisture damage – use moisture meter or multiple cores to determine if the substrate is dry enough for application of the Adurel roof system.

2. Algae, grease, dirt fungus, mildew or other foreign substances.

3. Cracks and splits – moving joints that have cracked the decking or broke through the previous roofing system.

3.03 Surface Preparation

A. Remove surface contaminants

B. Remove excess materials around drains and scuppers that impede drainage.

3.04 Installation

A. Install Adurel roofing system per published instructions (see addendum).

3.05 Protection

A. Protect finished system from traffic or weather until completely cured.

3.06 Limitations

A. These systems are not compatible with silicone coatings and are not vapor barriers.

Addendum: Specification WM700, WM700 R (A, MS, F)

Instructions for installation of polyurethane restoration or new system finishing/

A. Cleaning

1. Remove dirt and foreign material detrimental to adhesion or application of roofing. Use CC400 cleaner diluted 20:1 with water. On heavy dirt or grease, apply full strength. Broom-scrub the soap solution on the membrane to loosen oxidation and dirt and rinse with a minimum 2500 psi water-blaster. If there are algae growing on the surface, the cleaning must include bleach in the washing of the substrate.

B. Wet Roofing Replacement

1. Locate wet insulation and remove. Replace with new insulation to match the existing roof level.

C. Repair of Expansion Cracks

1. Integrate PF57 polyester into the wet base coat to saturation.

D. Flashings – Mastic Mixture

1. Round projections, machine legs, sign posts, guide wire straps, inside and outside corners, etc., can be flashed using the MS2000M or A707M mastic. Brush approx 100 mils in a uniform manner around the projection.

E. Polyester Reinforcement – Resin Method (an option on foam roofs with moderate deterioration)

1. Integrate PF57 polyester into the wet base coat to saturation leaving no air or wrinkles.

F. Application of Finish Coats (choose 1 of 3 finish coat options)

1. Spray or roll out specified base coat to required coverage rate.
2. Apply subsequent layers perpendicular to the first coat.

Estimated Materials

System	Spec	Material	Coverage	Min Mils
Polyurethane Foam-				
<u>Acrylic Finish</u>	<u>WM700 A</u>	<u>A707F/A808F</u>	<u>2 gal. A707F / 1.5 gal. A808F</u>	<u>27 mils</u>
<u>SEBS Finish</u>	<u>WM700 MS</u>	<u>MS2100/MS2200</u>	<u>2 gal. MS2100 / 1.5 gal. MS2200</u>	<u>21 mils</u>

Note: For polyester reinforced option add a minimum 3 gal. / sq. of A606 and 1 roll PF57-40 per 10 sq. Resin content will vary greatly with surface conditions. Granular surfaces will require approx 1 additional gal/sq.

Note: Physical data subject to changes without notice as products are improved and modified for better performance.