

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. Cleaner: Adurel CC400 – a highly concentrated biodegradable clean-rinsing cleaner / degreaser.

2.03 Joint and Fastener Mastics

A. A707 M – aliphatic mastic

B. U5500M – black urethane mastic

2.04 Reinforcing Mesh

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

2.05 Primers

A. A606 – a resinous primer for sealing asphalt

2.06 Finish Coats

A. Spec AD800 A: A808 – an aliphatic urethane / acrylic finish

2.07 Mixing

A. Adurel primers and finishes – Mix to uniform consistency

B. Mastics – Make onsite mastics with PF2020 at a ratio of 2 parts finish to 2 parts fiber for brush grade; 1:1 ratio for trowel grade

2.08 Application Tools and Equipment: Application tools shall be equal and adequate to the equipment outlined for the work and workmanship required herein.

A. Equipment required for applying coating

1. Spray equipment having the equivalent of 3000 psi and 2.0 gal. / min. 3/8 min ID hose to gun with gun having reversible self-cleaning tip. (See data sheets for specific tip requirements per coating.)

B. Special tools for flashings

1. Diamond flex trowel for fabricating cants at flashing / wall transitions

2. HD 4" short bristle chip brushes for flashing details and smoothing mastic

C. Miscellaneous tools and equipment

1. Caulk gun – 32 oz cartridge gun

2. 350-rpm 7-amp minimum 1/2" drill with rectangular paddle (local source)

3. Cloth scissors for cutting fabrics

2.10 Miscellaneous Structural Products

A. Tile Replacement – outside sources

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. Damage and structurally unsound tiles

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

3.03 Surface Preparation

A. Remove surface contaminants and loose patching materials.

B. Remove and replace damaged or deteriorated tile.

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.

Addendum: Specification AD800 (A)

Instruction for installation of Adurel over existing Federal Tile Roofing

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. Priming

- 1. A606 – prime asphalt surfaces at 1 gal. / sq.

C. Vertical Joints, Horizontal Laps, and Flashings

Notes:

Vertical Joints: Vertical joints will be finished in a fashion relative to the existing condition. If joints have not been previously filled and are not generally, leaking do not detail this joint.

Horizontal Lap: Horizontal laps are not detailed unless previously covered with un-removable patching material and catching water.

Flashings: Flashings will be finished in a fashion relative to the existing condition.

- 1. Joints showing no movement:
 - a. Brush a liberal layer of A707M mastic centered over joint to 100 mils.
- 2. Joints showing movement:
 - a. Integrate PF57- 4" followed by PF57-12" polyester liner in wet A707 to saturation. Use wider polyester to completely cover existing non removable patching materials.

D. Curb Backs and Saddles

- 1. Machine curbs with standing water behind can be filled using Adurel Black Magic urethane. Use dry aggregate Or other filler to displace larger areas. Cover edges of same patch with PF57 polyester integrated in wet A707.

E. Application of Finish Coats

- 1. Spray A808 finish coats centered at the rib from peak to gutter and immediately back from gutter to peak. Back-rolling material on the first coat may be necessary to saturate surface. Pay special attention to keep a wet edge and have wind blowing from wet work toward the sprayer if possible to avoid sand finish overspray texturizing which will discolor with time due to dirt pick up.

Estimated Material	Specification	Material	Coverage	Total MILS
<u>Acrylic Finish</u>	<u>AD800 A</u>	Mastic <u>A808</u>	<u>-1 gal. / sq.</u> <u>2.5-3 gal. / sq.</u>	<u>20-24 mils</u>

** Mastic detail will vary widely with job conditions and if joints are or are not detailed. Site analysis is necessary.*

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