

Adurel Roofing Specification

Single Ply Seam Replacement

Use over Existing Single Ply Roof Seams

Section 0700

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 Primers

A. BT30

2.04 Base Coat (choose one)

A. U5500 – asphalt-based urethane

B. A404 - Acrylic Elastomers

2.05 Reinforcing Mesh

A. Field and flashing mesh

1. PF57 4,6,12,40" – a 3.0-oz. stitch-bonded polyester. Use sizes as appropriate.

2.06 Finish Coats and Mastics

A. U5500 – asphalt-extended black urethane

B. U5500M – pre-made black urethane mastic

C. A707 M – aliphatic acrylic mastic

D. A707 / A808 – acrylic self-priming finish

2.07 Mixing

A. Mix to uniform consistency

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. 9" chemical-resistant rollers with 1.25" nap and phenolic cores

B. Special tools for flashings

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

C. Miscellaneous tools and equipment

1. Caulk gun – 32 oz HD cartridge gun

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

3. Cloth scissors for cutting fabrics

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. Loose or wet existing materials

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

3.03 Surface Preparation

A. Remove surface contaminants.

B. Remove loose and deteriorated flashings.

3.04 Installation

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

3.05 Protection

A. Protect finished system from weather until cured.

Addendum: Specification WM220 F

Instructions for installation of seam and flashing restoration of single-ply membranes.

A. Cleaning

1. CC400 soap directly to seams and flashings. Mist water over soap and scrub with the 24" applicator brush or a rotary floor scrubber. Rinse off soap completely with high-pressure clean water.

B. Repair of Fish-Mouths / Loose Seams

1. Cut out the fish mouths so the remaining membrane is not buckled and is laying flat. mastic. Trim loose materials from seams. Reinforce same area with Death Grip taped centered over joint.

C. Restoration of existing moderate to good condition flashings.-

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

1. **Method A:** Flashings showing no movement in solid condition:
 - a. Brush a liberal layer of mastic centered over flashing to 100 mils.
 - b. Apply finish coat over same 2 gal per sq and brush smooth
2. **Method B:** Flashing joints showing cracking or in moderate condition:
 - a. Integrate PF57 polyester liner in wet mastic or base coat to saturation.
 - b. Finish with 2 coats of desired finish @ 1.25 gal/sq. per coat.

D. Seam Reinforcement

1. **Method A:** Polyester Reinforcement
 - a. Brush a layer of mastic over joint and brush smooth.
 - b. Set polyester fabric in wet base to saturation. Allow to set and apply an additional layer over lined areas @ 1.5 gal/sq
2. **Method B:** Butyl Tape Method
 - a. Prime area to be detailed with BT30 or required primer.
 - b. Brush a layer of mastic over joint and brush smooth.
 - c. Apply Death Grip tape centered over joint to specified width while mastic is still wet and set tightly over joint.
 - b. Cover same tape with a layer of mastic or coating to saturation covering the edge laps at least 2"

F. Pitch Pockets, Cables, Sign Legs, Curb Posts

Fill with Adurel Black Magic pitch pan filler.

Primer Chart/ Material Requirements

Existing System	Primer	Coverage
EPDM	BT30	1/5 rd gal/sq
PVC	A404	gal/sq
Hypolon	BT30	1/5 th gal/sq
CPE, CPA	No Primer	
PIB	No Primer	

Note: * primer not always needed with positive slope per site conditions and warranty.

Practical Material Estimates	Specification	Products	Coverage	Total Mils
Tape Method				
<u>SEBS</u>	<u>WM110 FA</u>	<u>MS2000M</u>	<u>10 tupe per 100 lineal ft</u>	<u>30 mils</u>
<u>Urethane*</u>	<u>WM110 FB</u>	<u>U5500M</u>	<u>3.5 gal/ 100 lineal ft</u>	<u>30 mils</u>

** Mastic option will vary greatly depending on roughness. Site inspection necessary.

Practical Material Estimates	Specification	Products	Coverage	Total Mils
Fully Reinforced	<u>Reinforcement</u>	<u>PF57</u>	<u>1 roll per 300 linal ft</u>	
<u>Urethane- black</u>	<u>WM110 FRU</u>	<u>U5500</u>	<u>4 gal per 100 sq.ft.</u>	<u>80 mils</u>
<u>Acrylic*-</u>	<u>WM110 FRA</u>	<u>A404</u> <u>A808</u>	<u>2 gal per 100 sq. ft.</u> <u>2 gal per 100 sq.ft.</u>	<u>40 mils</u>

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