

Adurel Roofing Specification

Asphalt and Modified Bitumen  
UV Protection and Waterproofing

Use over Existing smooth modified and asphalt  
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 Base Coat

A. A404 – low-modulus primer for modified (new and old)

### 2.04 Reinforcing Mesh

A. Field and flashing mesh

1. PF57 – a 3.0-oz. stitch-bonded polyester. Use larger sizes as appropriate.

### 2.05 Finish Coats and Mastics

A. U5500M – pre-made black urethane mastic

B. A707M – aliphatic acrylic mastic

C. A808 – aliphatic acrylic urethane finish

D. A404 – Low modulus optional finish

E. MS2200 – Thermo-plastic optional finish- for ponding areas

### 2.06 Mixing

A. Adurel primers and finishes – Mix to uniform consistency

### 2.07 Application Tools and Equipment

A. Application tools shall be equal and adequate to the equipment outlined for the work and workmanship required herein.

B. Equipment required for applying coating

1. Spray equipment having the equivalent of 3000 psi and 2 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.)

2. Notched neoprene chemical-resistant squeegees: 1/8<sup>th</sup> notch for 1 gal. / sq. for hand applications.

3. 9" and 18" chemical-resistant rollers with 1/2" nap and phenolic cores for back-rolling squeegee pattern

C. 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

D. Miscellaneous tools and equipment

1. Caulk gun – 32 oz Qt gun for mastics

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. Wet roofing and splits through the old system from movement.

### 3.03 Surface Preparation

A. Remove surface contaminants and wet roofing.

### 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 WM660 MB, WM770**

**Instructions for UV protective coating over modified bitumen and asphalt roofs**

**A. Cleaning**

1. CC400 cleaner diluted 20:1 with water. On heavy dirt or grease, apply full strength. Broom-scrub the soap solution and rinse with a minimum 2500 psi water-blaster. If there are algae, add 5% bleach to rinse.

**B. Wet Roofing Replacement**

1. Locate wet insulation and remove. Replace with new Isocyanurate insulation to match the existing roof level. Fill joint with U5500M and strike smooth. Fabricate transitions with U5500M. Integrate PF57 polyester to saturation over joints. Coat insulation with U5500 @ 2 gal. / sq. Option: Use modified.

**C. Repair of Existing Splits and Blisters through the Roof**

1. Make a minimum 2" cut perpendicular to the split at each end of the split. Cut open blisters rising over 1/2" making an X-type cut and fold back the cut sections. Apply U5500M into the inside of the opened area. Fasten the flaps of the blister into the coating. Reinforce splits and cuts with PF57 polyester set in U5500 urethane to saturation. Extend patching a minimum 6" beyond splits and cuts.

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

1. **Method A:** Brush a liberal layer of U3300M or U5500M mastic to 100 mils. (Use on solid flashings.)
2. **Method B:** Integrate PF57 polyester liner in wet U3300 or U5500 to saturation. (Use when deteriorated.)

**E. Application of Finish Coats**

1. Pour out finish coat(s) across the roof and spread out with the notched squeegee applicator tool. Back-roll the same area immediately after 3/4" nap 18" rollers.

**Practical Material Estimates**

Surface	Specification	Products	Coverage	Min Mils
<b>Modified Bitumen Non reinforced</b>	<u>Smooth Surface</u>	<u>A404/A808</u>	<u>1.5 A404/ 1.5 A808</u>	<u>24 mils</u>
		<u>A404/MS2200</u>	<u>2 gal A404/ 2 gal MS2200</u>	<u>32 mils</u>
	<u>Granular Surface</u>	<u>A404/A808</u>	<u>2.5 gal A404/ 2 gal A808</u>	<u>36 mils</u>
		<u>A404/MS2200</u>	<u>2.5 gal A404/ 2 gal MS2200</u>	<u>36 mils</u>

Surface	Specification	Products	Coverage	MinMils
<b>Smooth Asphalt Non reinforced</b>	<u>Smooth Surface</u>	<u>A404/A808</u>	<u>1.5 A404/ 1.5 A808</u>	<u>24 mils</u>
		<u>A404/MS2200</u>	<u>2 gal A404/ 2 gal MS2200</u>	<u>32 mils</u>
	<u>Granular Surface</u>	<u>A404/A808</u>	<u>2.5 gal A404/ 2 gal A808</u>	<u>36 mils</u>
		<u>A404/MS2200</u>	<u>2.5 gal A404/ 2 gal MS2200</u>	<u>36 mils</u>

**Note: Coverage will vary with roughness of surface.**

**Other Notes: Extreme ponding will require 2 layers of MS2200 @ 1.5-2 gal/sq per coat.**

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