

Adurel Roofing Specification

Poured-in-Place Roof Systems

Use over Existing Gravel-Surfaced Asphalt and Pitch Roofs

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. Hydro-Vac to remove all dirt and loose gravel

2.03 Primer / Base Coat

A. **Method A:** MS2300 Thermoplastic SEBS silver. Use with MS2400 finish.

B. **Method B:** A606 resin base, followed by A404. Use with 3-coat system using A808 or MS2200 finish coats.

2.04 Reinforcing Mesh

A. Field and flashing mesh

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

2.05 Finish Coats (choose one)

A. **Method A:** MS2400 stain-blocking finish. Use over MS2300 base.

B. **Method B:** MS2200. Use over the A606 / A404 system after complete curing.

2.06 Mixing

A. Adurel primers and finishes – Mix to uniform consistency

2.07 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 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: 1/8th notch for 1 gal. / sq., 3/16th notch for 1.5-2 gal. / sq. for hand applications
3. 9" and 18" chemical-resistant rollers with 3/4" nap and phenolic cores for back rolling squeegee pattern

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 – High leverage Qt caulking 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)

Addendum: Specification AD100G Instructions for restoration of asphalt-based surfaces

A. Cleaning

1. Hydro-Vac all loose dirt and gravel from roof.

B. Wet Roofing Replacement

1. Locate wet insulation and remove. Replace with new Isocyanurate insulation to match the existing roof level. Fill joint with MS2000T and strike smooth. Fabricate transitions with MS2000T. Integrate PF57 polyester to saturation over joints. Coat insulation with MS2100 @ 2 gal. / sq.

C. Repair of Existing Splits and Blisters

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 MS2000T 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 MS2100 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.

Method A: Integrate PF57 polyester liner in wet MS2300 to saturation (use under 2400 system).

Method B: Integrate PF57 polyester liner in wet A707 to saturation (use when deteriorated).

E. Application of Leveling Base Coat

Method A: SEBS Method

1. Apply MS2300 to saturation. Allow several days to cure.

Method B: Acrylic / SEBS Composite

1. Apply A606 to saturation and allow to dry.
2. Apply A404 as a second filler coat and allow to dry.

F. Application of Finish Coats

Method A: SEBS Method

1. Apply MS2400 finish.

Method B: Acrylic / SEBS Composite

1. Finish with MS2200.

Poured in Place	Specification	Products	Coverage	Total MILS
Method A – SEBS method	Repair liner	PF57	Use on splits Use on details	
	Base coat	MS2300	3-5 gal. / sq.	
<u>Finish Option A</u>	<u>AD100 GA</u>	<u>MS2400</u>	<u>2 gal. /sq.</u>	<u>45-60mils</u>
Method B – Acrylic SEBS composite	Repair liner	PF57	Use on splits Use on details	
	Base coat	A606 A404	2.5-3.5 gal. / sq. 2 gal. / sq.	
<u>Finish Option B</u>	<u>AD100 GB</u>	<u>MS2200</u>	<u>2.5 gal. /sq.</u>	<u>50-60mils</u>

*Coverage will vary greatly with profile of gravel. Consult Adurel for help estimating.

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