

**Applicator Specification
AD200 MS, AD200 MS R**

Adurel Roofing Specification

**Reinforced and Non-Reinforced
Resurfacing of Membrane Roofs
Thermoplastic SEBS Method**

Use over Existing Single-Ply 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. Adurel CC400 – a highly concentrated biodegradable clean rinsing cleaner / degreaser

2.03 Base Coat (choose one)

- A. A606 – acrylic resin base coat sealer
- B. MS2100 – SEBS base coat
- C. A404 – base or intermediate coat

2.04 Reinforcing Mesh

- A. Field and flashing mesh
 - 1. Death Grip 6, 4, 2" fabric-faced butyl tape
 - 2. PF57 polyester is an option when using A606 to line joints.

2.05 Primer Coats (primers will be membrane-specific; verify per job conditions with Adurel)

- A. BT30 – solvent-bonding primer for most surfaces under the SEBS
- B. A606 – acrylic resin base coat

2.06 Finish Coat

- A. MS2200 – SEBS finish

2.07 Mixing

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

2.08 Application Tools and Equipment

- A. Equipment required for applying coating
 - 1. Notched neoprene chemical-resistant squeegees
 - 2. 9" and 18" chemical-resistant rollers with ¾" nap and 18" tampico brushes
- B. Special tools for flashings and edges
 - 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 gun
 - 2. 350-rpm 7-amp minimum ½" 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: Instructions for installation of Adurel over existing single-ply roofing systems

A. Cleaning

- 1. Mist CC400 20-1 soap directly on roof. Mist water over soap and scrub with the 24" applicator brush or a rotary floor scrubber. Rinse soap off completely with high-pressure clean water.

B. Wet Roofing Replacement

1. Remove wet insulation leaving 12" of membrane to tuck under the new patch. Replace with Isocyanurate insulation to match the existing insulation. Cover insulation with ½" Securedeck by USG. Tape joints and transition with Adurel DG 4" butyl tape. Coat area with 2 gal. / sq. MS2100.

C. Defects and Shrinkage

1. **Fastener Back-out:** Remove and replace as needed.
2. **Membrane Shrinkage:** Cut loose membrane from the walls and anchor ½" CDX mechanically to the outside perimeter of the roof and at all machine curbs and projections that have shrunk. Width will be determined by the potential for uplift relative to the buildings position.

Location	Width
Outside Edge	4'-12' (12' for maximum wind requirements)
Interior Walls	1'-4'
Machine Curbs	1'-2'

After installing the plywood, finish as follows:

- a. Prime with BT30 and tape joint and transitions with DG-4". Coat new plywood with MS2100 @ 2 gal. / sq. set in PF57 polyester.

D. Repair of Fish-mouths

1. Cut out the fish mouths so the remaining membrane is not buckled and is laying flat. Prime with BT30 and tape with DG4 (as needed).

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

1. Brush a liberal layer of MS2000M centered over flashing seams and terminations to 100 mils.

F. Application of Primers (on non-reinforced systems and specific areas of ponding water)

1. Apply required primer using appropriate applicator per data sheet and at the required coverage rate.

G. Reinforcement Options (choose one)

Specification AD200 MS – Installation of reinforcement on seams or specific details

1. Prime seams with BT30 and set BT-4, 3 or 2" tape centered on the joint. Roll into place.

Specification AD200 MS R – Fully reinforced roof field (resin method)

1. Apply the base coat or A606 at the base of the wall and set liner in wet base. Pull liner out approx 10' and pull until square with roof. Pour a large puddle of resin over the top of the liner and push over the liner with the 24" applicator brush. Brush over same area with the brush to remove wrinkles and air pockets.

H. Application of Finish

1. Pour out finish coat(s) across the roof and spread out with the notched squeegee applicator tool. Back-roll same area immediately with 18" ¾" nap rollers.

Estimated Materials	Specification	Product	Coverage	Mils
Non-reinforced – <u>Finish Option D</u>	Primer <u>AD200 MS D</u>	BT30* <u>MS2100 /</u> <u>MS2200</u>	1/5 gal. / sq. <u>1.25 gal. MS2100/</u> <u>1.25 gal. MS2200</u>	<u>20 mils</u>
Reinforced – Resin systems Finish Option DR	To set liner “ flashings <u>AD200 MS DR</u>	A606 - resin PF57 40 in liner A707M mastic <u>A404 / MS2200</u>	2 gal. / sq 1 roll/ sq 1/4 tube/ sq- varies <u>1.25 gal A808 / 2</u> <u>gal. MS2200</u>	<u>36 mils</u>

*Specifications will vary with roof slope. Consult tech services for site-specific specifications.

Fully Reinforced – All SEBS <u>Finish Option G-SEBS-HD*</u> <u>*Use under solar, or any</u> <u>heavy duty conditions.</u>	liner flashings <u>AD100 HD</u>	PF67-42 MS2000B <u>MS2100 Base</u> <u>MS2200 finish</u>	1 roll / 10 sq. ¼ tube/ sq. varies <u>2.5-3 gal / sq. to set liner</u> <u>2 gal / sq.</u>	<u>48 mils</u>
---	---------------------------------------	--	--	----------------

EPDM will swell if coated with MS2100, MS2200 over 1 gal. / sq. Apply material in 2 separate coats and allow to dry overnight before recoating.