



## Penetration Detail Instructions

### GUTTERS

1. Thoroughly pressure wash gutters. Rusted areas must be replaced with new gutters.
2. Apply primer to gutters.
3. 3-course with GEL & FABRIC over all joints. Do not use PEEL & COAT on any gutters!
4. Gutters can be coated with Metacrylics Acrylic White or Metacrylics Silicone White.

### PARAPET COPING (CAP)

1. Thoroughly wash or pressure wash parapet coping.
2. Prime coping. Any rusted areas must be primed with black primer instead of clear primer.
3. 3-Course with GEL & FABRIC over the top of the coping (cap) joints and screws.
4. Coat with WHITE topcoat.

### NOSINGS, EDGE FLASHINGS, & GRAVEL STOPS

1. Apply primer to all edge flashings. If new, wipe with vinegar or suitable cleaning agent.
2. Apply 3-Course with 6"-9" FABRIC & GEL over the top of the edge flashing.
3. Apply the 3-Course 3" on horizontal flashing and 3" on vertical flashing on the outside wall.

### WOOD BLOCKS

1. Lift and remove block.
2. Apply GEL or ACRYLIC BASE & WHITE coating to the area.
3. Allow to dry and replace block.
4. If damage to the roof occurs while removing block, 3-Course with GEL & FABRIC and replace block when dry.

### WOOD SLEEPERS (HVAC SUPPORTS)

1. Jack up HVAC unit and remove sleeper.
2. Install Metacrylics 1-Ply or granulated slip sheet under entire area of sleepers and HVAC.
3. When the system is cured, replace sleepers. Be sure that lags attaching HVAC to sleepers are not too long and will not penetrate the roof system.
4. If sleepers cannot be moved or lifted, they must be completely encapsulated. The area under HVAC should be coated with Metacrylics and reinforced with fabric.



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### HVAC DUCTS

1. Thoroughly pressure wash all ducts.
2. 3-Course duct joints with Metacrylics ACRYLIC GEL & fabric or apply 4" peel & Coat Tape over joints.
3. Apply 2 gals/SQ of Metacrylics ACRYLIC WHITE in two applications of 1 gal/SQ of ACRYLIC WHITE.

### SKYLIGHTS

1. 3-Course up the side of the skylight curb a minimum of 3" and onto the field area 3". Be careful not to cover any weep (drainage) holes in the skylight.
2. Apply ACRYLIC GEL to all exposed screw heads.

### PITCH POCKETS

1. Fill pitch pocket with Metacrylics ACRYLIC GEL.
2. 3-Course with GEL & FABRIC over the top of the pitch pocket and down to the base of the pitch pocket, and at least 3" onto the roof.
3. Apply ACRYLIC GEL to the penetration exiting the pitch pocket for 10" in length.

### SCUPPERS & DRAINS

1. Remove all old asphalt, mastic, and roofing materials around and inside the scupper. For drains, remove the drain screen, clamp ring, and screws.
2. Thoroughly apply Metacrylics primer to scuppers and drains.
3. For scuppers:
  1. Apply Metacrylics GEL liberally to the inside and outside of the scupper
  2. Cut a 9"-20" square piece of fabric and embed into the GEL. Sometimes overlapping 4" strips of fabric into GEL may be preferred depending on the size of the scupper.
  3. Embed the fabric at least 4" into and around the inside of the scupper.
  4. Apply a cover coat of Metacrylics ACRYLIC GEL.
4. For drains:
  1. 3-Course with GEL & FABRIC into the drain pipe at least 2".
  2. Take a 20" or 40" square of fabric and place over the drain, cutting a hole out for the drain.
  3. 3-Course then reattach drain ring and screen cover.