

## PP Roof System

### Materials:

- 1 roll of reinforced mesh fabric
- 3 5-gallon buckets of Acrylic Impermeable

### Tools:

- 2 bush brooms
- Knife

### People:

- 3-4 maximum

***Precautions: Once dry, the acrylic is extremely strong and difficult to remove from clothing, hair, skin, etc. Gloves, safety goggles, hats, and work clothes should be worn while applying the roofing materials.***

### Steps

1. Make sure roof is very clean and all nails are fully hammered into wood (no nail heads should be sticking up).
2. Person 1 -The glue phase. Using a push broom and starting on the lower (7') side of the roof, begin applying one coat of white acrylic to the surface of the OSB in a swath slightly wider than the roll of reinforced mesh. Continue to apply acrylic across roof. This coat acts as a sealant for the wood and an adhesive for the reinforced mesh and should be quite thick.
3. Person 2 - The mesh phase. As acrylic is being applied, roll out reinforced mesh fabric over wet acrylic **making sure to avoid wrinkles and air pockets** - similar to applying wallpaper. This step is also similar to applying rolled roofing, except over an adhesive. Roll the length of roof. Cut the mesh leaving 2-3 inches to wrap onto face of roof.
4. Person 3 - As reinforced mesh fabric is being rolled onto first coat of acrylic, begin applying a top coat of acrylic over the mesh with a push broom. This coat should work its way through the reinforced mesh and bond with the first coat. Adding a little pressure as you are applying it over the surface will assist in this process. Make sure there are no dry spots.
5. Moving up the roof, repeat steps 3-5. Make sure to overlap about 3 inches on the preceding course. Try to stay off of the mesh once the second coat of acrylic has been applied. Continue until entire roof is covered. The final course of reinforced mesh on the higher (8') side of the roof will overlap more than 3 inches onto the preceding course. This is okay; just make sure it is applied as described in steps 3-5.
6. Allow roof to dry completely - the surface of the roof should not be tacky
7. Apply another coat over surface of roof with push broom. Repeat steps 7 and 8 until all acrylic is used.

