AC514 Flexidry Wall Drying System

Flexidry AC514 Components:

1. Flexidry Air Tunnel
2. Eight Bulkhead Fittings -3/4" Female NPT (NM5742)
3. Eight 1" Hose barbs X 3/4" Male NPT (BR050P)
4. Eight 18" sections of 1" ID Vinyl Tubing (NM5982)
5. Storage Bag (AX202)

Tools & Equipment Required:

1. Power Drill with 1-1/4" Drill Bit
2. Base Molding Lifter
3. Utility Knife
4. Air mover (E-TES SD optional)
5. Dehumidifier or Exhaust System

Use Instructions:

Step #1 – Access Wall Cavity

1. Remove the base board from the wall to be dried. Remove the base board carefully. Cut any caulk bead at the top to prevent damage to the drywall. If not damaged, the base board can be re-installed after the drying process is completed.
2. Locate the wall studs in the area to be dried. Determine the location for drilling 1-1/4" access holes between the studs, just above the wall base plate. Whenever possible place holes where they will be covered by the base board after drying is completed.
3. Each Flexidry has eight outlet barbs, so determine the location for the number of holes needed and the number of Flexidrys to be used. Multiple Flexidrys can be connected together and operated with a single air mover or E-TES.
4. Drill 1-1/4" diameter access holes through the wall as needed to access wall cavity. If the wall is wet top to bottom, air outlet holes *may* need to be drilled at the top of the wall between the studs to allow the water vapor to be removed from the wall cavity. If the wall is only wet at the bottom, drill a second hole for an air outlet also below the baseboard level to allow moist air to escape.

Step#2 Preparing the Flexidry

1. Place the air mover or E-TES snout into the large opening and pull the Velcro straps tight to secure the Flexidry and make a tight seal on the snout.
2. Position the Flexidry near the wall to be dried.
3. Attach the 1" ID tubing to the eight barbs on the Flexidry and insert the tubes into the pre-drilled holes. Standard tube sections are 18" long. Extra tubing can be purchased if longer sections arerequired.

Step #3 – Drying with the Flexidry

1. Once the tubes are inserted into the wall, turn the air mover ON. In most cases, use the highest speed setting.
   If used with an E-TES, turn the E-TES on first and then turn on the air mover.
   In some cases the Flexidry may restrict the E-TES outlet air flow enough to prevent the E-TES airflow sensor from engaging the heater. The Airflow Light will remain ON and the heater will not get hot. If the air mover is running and the Airflow Light is ON, open one end of the Flexidry to increase the total airflow. Open the end a small amount at a time until Airflow light turns OFF and the Heating light turns ON. Only open the end as much as needed for the airflow sensor to turn the heater ON. Opening the end too much may reduce the flow through the outlet tubes and increase the drying time.
2. Once the moisture is evaporated into the air, it must be removed from the structure (Along with the excess heat if an E-TES is used). Use dehumidifiers to remove the moisture from the air or an exhaust system to evacuate hot humid air to the outside of the structure. Monitor your progress at least daily – more often if practical. Walls will dry quickly!