

DW-Series

INSTALLATION INSTRUCTIONS

Material Preparation

1. Size block-out recess to $\frac{3}{4}$ " deep by 3-1/2" wide receiver on each side of the joint opening.
2. Block-out receiver should be flat and level
3. Deviations, spalls and irregularities should be addressed and repairs made in compliance with the manufacturer's specification.

Storage Conditions

1. Store at 40°-90° F (5°-32° C). For best results, condition material to 65°-80° F (18°-27° C) before using. **Substrate** is to be 50 degrees or higher for installation.

Material Installation

1. Sandblast entire block-out recess surface.
2. The use of duct tape and protective paper adjacent to the block-out recess is highly recommended. This serves to protect the deck surface from accidental spillage and the tracking of liquid materials onto the deck surface. Install the DW-membrane into joint opening. Assure that the seal is completely seated in the joint opening.

To apply the Polycrete 2020 bedding material, load the mixed material into a bulk caulking gun. Cut a 1" hole in the plastic tip of the caulk gun and dispense a continuous 1" round bead of bedding under the wing of the seal.



Figure 2



Figure 1

The photo to the left shows the 2020 bedding oozing up from the holes in the wing of the seal.

3. Be sure that the wings of the seal are laying flat on the concrete recess surface. If the wings are bent up, lightly apply heat, causing them to lay flat. The use of a common weed burner and a propane tank should be used to accomplish this task.

Material Installation

4. To mix the Polycrete 2020 bedding mix, pour part “B” into part “A”, mixing thoroughly. Apply a 1” caulked bead of Polycrete 2020 bedding mix to the area *under the wing of the seal* (Approximately 1/8” to 3/16” thick). Push the wing of the seal into the bedding, allowing material to “ooze” up through the holes in the seal. Spread the excess material to cover the surface of the recesses concrete including the 3/4” high sidewall of the recess. (See figure 2 on previous page.)
5. Pour the measured proportions of Polycrete 1600 (Parts A & B) into the 5 or 6 gallon mixing pail. Thoroughly mix the two components, approximately 1-2 minutes. Begin to add sand (Part C) into the resins while the mixer is turning. It should take a minute to gradually add the sand to the mix. Make sure that all the sand particles are covered; there should be no sand pockets in the mix.
6. Move the pail to the expansion joint and pour the material over the wings of the seal while the Polycrete 2020 is still wet. Take care not to overfill the joint recess. Overfilling of the recess wastes time and causes the excess poured material to be re-handled. This extra motion will take up precious placement time. At the termination ends of each pour, taper or ramp the Polycrete 1600 to receive the next batch. Repeat process until the expansion joint is completely filled on both sides. **TIP - Use a wood float trowel, moving in a circular motion helps to flatten the surface of the Polycrete. Ramp the termination point to receive the next batch.**
7. Finish troweling the top of the material to suit your desired texture. **TIP - As the final finish trowel process is underway, dip the trowel into xylene, this "wetting" will bring up the resins resulting in a desirable smooth flat finish.**
8. After the expansion joint is completed, carefully remove the protective duct tape and protective paper. Do not leave this material in place during the cure as it will not be easily removed if allowed to set overnight.
9. Allow the material to develop full cure overnight or until header material is hard to the touch.

