

Mixing and Installation Instructions for the DW-Series Polycrete 1600 Expansion Joint System

I. Preparation

1. Size block-out recess to 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 must be in compliance with the manufacturer's specification.

II. 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 the joint opening. Assure that the seal wings are completely seated onto the joint recess surface.
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 can be used to accomplish this task.
4. To mix the Polycrete 2020 bedding mix, open both containers pour part "B" into part "A", mixing thoroughly. Apply a 3/4" caulked bead of the Polycrete 2020 bedding mix to the area *under the wing of the seal* (Approximately 1/8" - 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.
5. Pour the measured proportions of Polycrete 1600 - Part 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 less than a minute to add the sand gradually to the mix. Make sure that all the sand particles are blended, as 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. 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 eat 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.
7. 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.
8. Allow the material to develop full cure overnight or until header material is hard to the touch.