

WM-Series

INSTALLATION INSTRUCTIONS

Material Preparation

1. Size block-out recess to ¾” 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.
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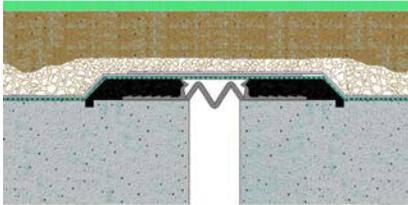
Material Installation

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 WM-membrane into joint opening. Assure that the seal is completely seated in the joint opening.
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.
4. To mix the Polycrete 2020 bedding mix, pour part “B” into part “A” and mix thoroughly (color should be an even light gray). Apply a liberal coat of the Polycrete 2020 bedding mix to the base of the block-out where the wings of the seal rest on the concrete. Apply approximately 1/8” - 3/16” thick over the entire shelf surface including the 3/4” high vertical sides. After Polycrete 2020 is placed, lay the seal on top of the bedding and centered in the joint then push the wing of the seal into the bedding; allowing material to “ooze” up through the holes in the seal.
5. Pour the measured proportions of Polycrete1600 - Part A & B into the 6 gallon mixing pail. Thoroughly mix the two components, approximately 1 minute. Begin to add sand (Part C) into the resins while the mixer is turning. It should take less than two minutes 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.
7. Trowel the material level with the edge of the concrete and the top edge of the seal screed point on the WM shape. 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.



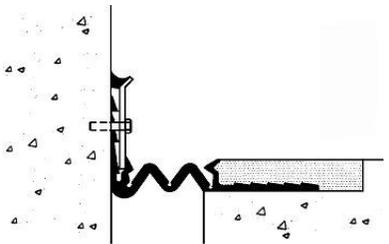
Material Installation

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; 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, before opening to traffic.



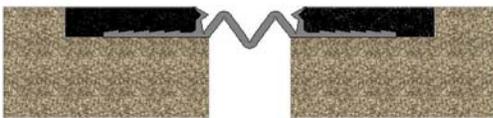
Buried joint

WM-225 the joint is keyed into the concrete surface to enhance the bond. Protective drainage board is then placed over the joint followed by drainage stone, soil and grass.



Typical Floor-to-wall detail

In many instances a floor to wall condition presents us with an expansion joint opening along the side of the wall. The wall side seal wing is simply turned up to rest against the wall, caulked and held fast with the EMS retainer bars and anchors.



Typical Floor-to-Floor detail

The standard WM installation, presents with the floor-to-floor first neatly into a prepared 3/4" x 3-1/2" recess or as a top mount, as shown in the buried joint above. This is a very easy system to install.



Large Movement Floor-to-Floor

The WM-101 single thickness seal has the ability to open up to 7.75".