

BALCO INC

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***INSTALLATION INSTRUCTIONS
FOR 7500 SERIES
75FWVPE SERIES
WALL JOINT COVERS***



INSTALLATION INSTRUCTIONS FOR BALCO, INC. 75FWVPE SERIES EXPANSION JOINT COVERS

The following installation instructions are very important. Read them carefully, and be sure you understand them completely before you begin any work.

STORAGE & HANDLING

The expansion joint covers are shipped unassembled. Store this product in the horizontal position in a clean, dry location. This is a finished product. Store this product in a protected area.

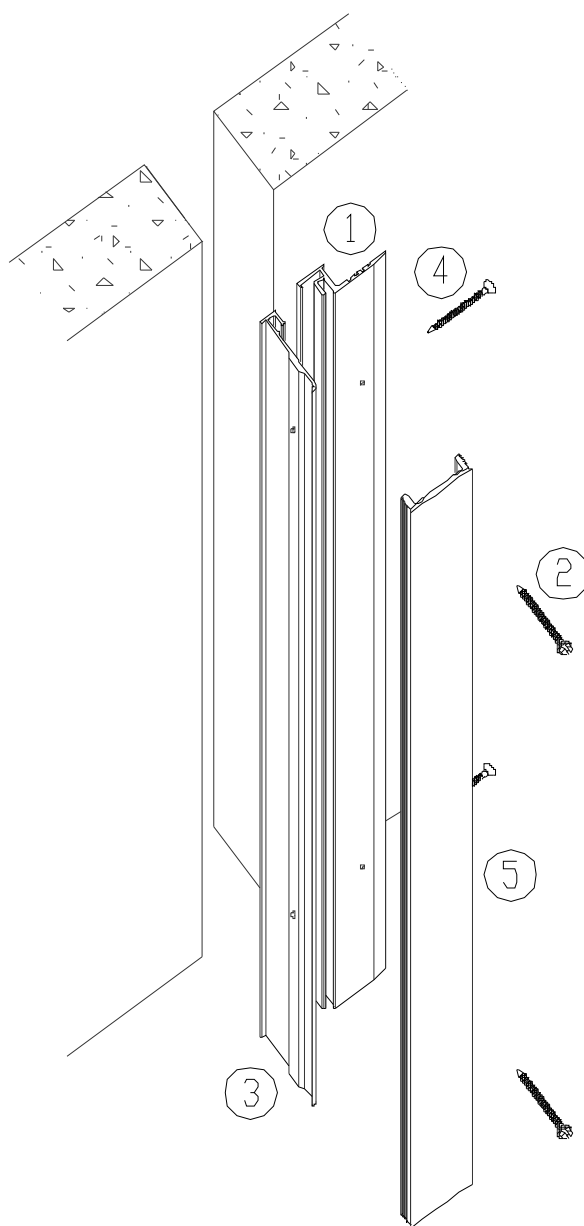


Figure 1

TOOLS REQUIRED

The following tools and materials are recommended for use in the installation of the joint cover system. However, these tools and materials are not provided by Balco, Inc.:

- A. Drill Bits (for Concrete and for Metal)
- B. Electric Drill
- C. Phillips, Hex, Slotted Drivers for Anchors
- D. Levels
- E. Awls
- F. Tape Measure
- G. Masking Tape
- H. Rubber Mallet
- I. Wooden block
- J. Plaster

PARTS

- 1. Base Member
- 2. Base Member Fasteners*
- 3. Wall Member
- 4. Wall Member Fasteners*
- 5. Face Seal

* Fasteners may differ from those shown.

INSTALLATION

These installation instructions are for use in the installation of the 75FWVPE Series Expansion Joint Cover Systems. The system is illustrated in Figure 1. The joint cover system shall be installed as follows:

STEP 1. Review Balco, Inc. approved shop drawings for types and locations.

STEP 2. For concrete, walls, prepare the concrete surfaces in accordance with good industry practice. Ensure that the concrete is sound and level. Clean away any dirt, grease, oil and debris from the concrete surface.

STEP 3. Select the base members and the wall members. If the anchor holes have not been predrilled in the base members and the wall members at the factory, mark the locations for the anchor holes on the base members and on the wall members (see Figure 2 and Figure 3). Standard anchor spacing is 20" O.C. with an anchor at a nominal 3" from each end of the base member or wall member. Drill the anchor holes (countersunk) into the base members and wall members at the marked locations.

STEP 4. If fire barrier is specified, install it at this time. Refer to the installation instructions appropriate for the type of fire barrier provided for the recommended procedures to use in the installation of the fire barrier.

STEP 5. If water barrier is specified, install it at this time. Refer to the installation instructions entitled, "INSTALLATION INSTRUCTIONS FOR BALCO, INC. .045 EPDM WATER BARRIER SYSTEMS"

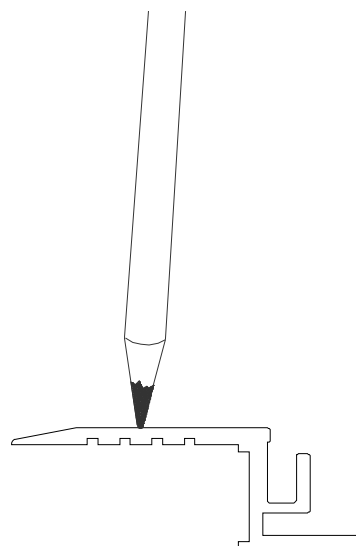


Figure 2

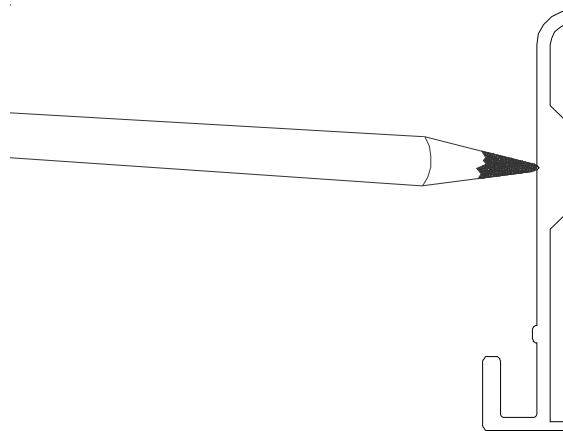


Figure 3

for the recommended procedures for the installation of the water barrier.

NOTE: THE OPTIONAL WATER BARRIER MAY BE EITHER EPDM OR HYPALON. THE BASIC INSTALLATION OF THE WATER BARRIER IS THE SAME REGARDLESS OF WHICH OF THESE MATERIALS IS PROVIDED BY THE FACTORY. RECOMMENDED SPLICING METHODS VARY DEPENDING UPON WHICH MATERIAL IS PROVIDED.

STEP 6. Select a base member, a wall member, and the elastomeric seal.

NOTE: THE ELASTOMERIC SEAL SHOULD BE INSTALLED IN AS LONG LENGTHS AS POSSIBLE. CUTTING THE SEAL INTO LENGTHS THE SAME DIMENSION AS THE BASE MEMBERS IS NOT RECOMMENDED. THE SEAL CAN BE INSTALLED INTO A PAIR OF THE BASE MEMBERS, ALLOWING THE SEAL TO EXTEND BEYOND THEM SO THAT THE SAME UNBROKEN SEAL CAN BE INSTALLED IN SUBSEQUENT BASE MEMBER PAIRS.

STEP 7. Place the base member and the wall member about the width of the elastomeric seal apart on a flat working surface. Ensure that the base member's and the wall member's channels are facing one another (see Figure 4). Insert one of the elastomeric seal's tabs into the channel in one of the base members. Ensure that the seal's tab is inserted completely into the channel. Insert the elastomeric seal's opposite tab into the channel in the opposite base member (see Figure 5). Ensure that the seal's tab is inserted completely into the channel.

STEP 8. Determine the high side of the joint. Begin the joint cover system on this side of the joint. Determine the high section of the substrate along the run of the high side of the joint. Begin the joint cover system installation at this section.

STEP 9. Place the assembled joint cover into its installed position over the joint (see Figure 6). Ensure that the system is plumb, level, properly aligned, and

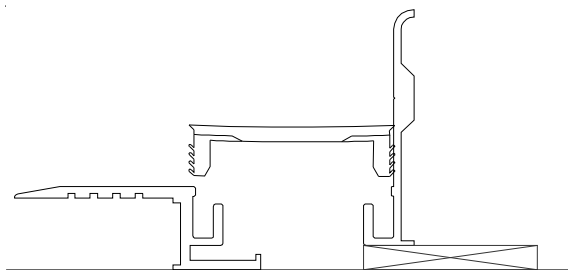


Figure 4

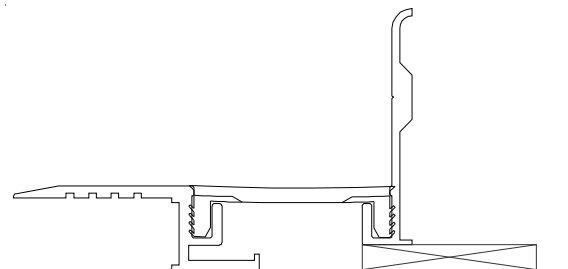


Figure 5

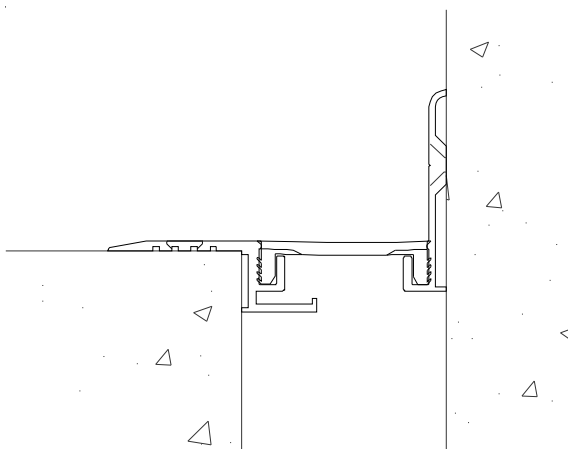


Figure 6

centered over the joint Balco, Inc. recommends using awls to hold the joint cover system in position during anchoring.

NOTE: ENSURE THAT THE BASE MEMBERS REST FIRMLY AND COMPLETELY ON THE SUBSTRATE SURFACE. ENSURE THE SYSTEM IS LEVEL ALONG ITS LENGTH. SHIM AS NEEDED TO LEVEL THE SYSTEM. IF POSSIBLE, MAINTAIN THE STRAIGHTNESS OF THE INSTALLED JOINT COVER SYSTEM. DO NOT INSTALL BASE MEMBERS SO THAT THEY OVERHANG THE JOINT OR ARE CANTILEVERED OVER THE JOINT. FOR STUD AND WALLBOARD WALLS AND WHEN SELF-DRILLING, SELF-TAPPING ANCHORS ARE PROVIDED, PREDRILLING ANCHOR HOLES INTO THE WALL IS NOT NECESSARY.

STEP 10. Using the assembled joint cover as a template, mark the location for an anchor on the concrete (see Figure 7 and Figure 8). Attach the base member to the high section of the high side of the joint first. Drill the anchor hole into the concrete at the marked locations. Drill the anchor holes 1/4" deeper than the length of the anchors. Clean away all dust and debris from the substrate.

NOTE: OBSERVE NORMAL SAFETY PRECAUTIONS WHEN DRILLING TO AVOID ALL UTILITIES AND RE-BAR.

STEP 11. Select the fasteners and the assembled joint cover. Place the assembled joint cover back into its installed position, aligning the anchor holes in the assembly with the anchor holes in the substrate. Shim the system, if needed to assure that it is level along its run. Ensure that the joint cover system is level, firmly supported, and properly aligned. Using the fasteners provided by the factory, fasten the assembled joint cover to the substrate (see Figure 9). Repeat this procedure for each section of the joint cover system.

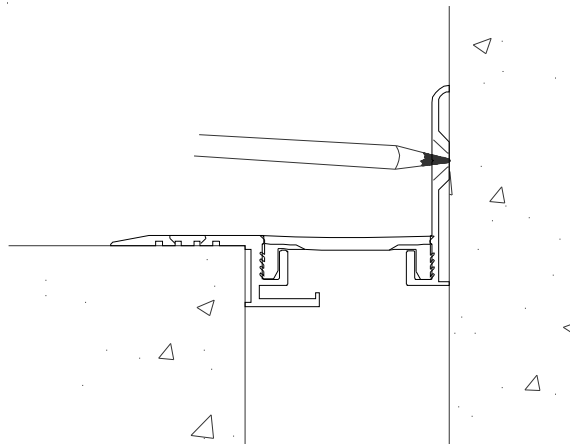


Figure 7

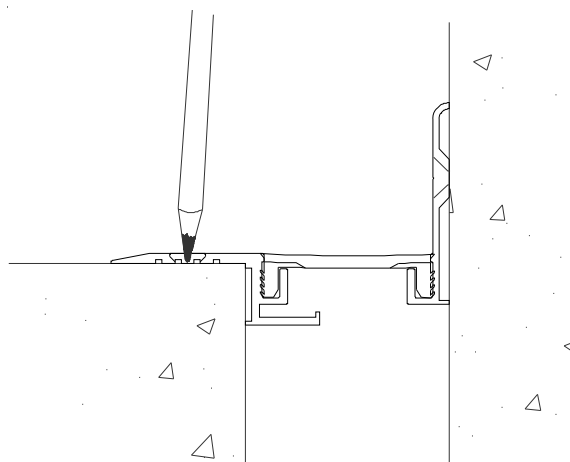


Figure 8

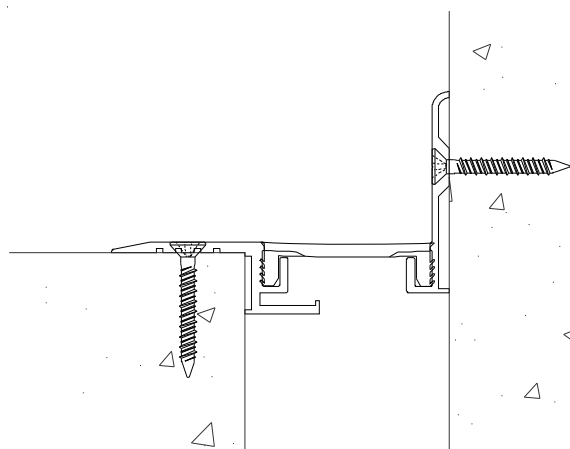


Figure 9

WARRANTY POLICY

Balco, Inc. warrants to its purchasers that all products sold by it will be free from manufacturing and material defects. Any defective product will be replaced or repaired free of any charge, provided a claim is brought to our attention, in writing, within the established warranty period following the date of shipment by us and provided our examination shows the product has failed under the terms of this warranty. The established warranty period for exterior joint cover systems (Duraflex™) is five (5) years provided the systems are installed by a Balco Certified Installer. The established warranty period for grids and mats is two (2) years. The established warranty period for all other Balco, Inc. products is one (1) year. Balco, Inc. will not be responsible for installation costs involved in such repair or replacement. Balco, Inc. shall have no obligation under this warranty if owner subjects materials to improper conditions (refer to Balco's installation instructions) This is in lieu of all other warranties, expressed or implied, and is the sole warranty extended by Balco, Inc. Our liability under this warranty is limited to repair or replacement and does not include any responsibility for consequential or other damage of any nature. It is further agreed and understood that the price stated for the seller's products is consideration for the limitation of seller's liability hereunder.

REGISTERED TRADEMARKS:

"VINYLINES" "SAF-T-GLO"
"METAFLEX" "SAF-TEN BEVEL"
"SENTRY" "DURAFLEX"
"ILLUMI-TREAD"

BALCO, INC. PATENT NUMBERS:

5,357,727; 5,782,044; 5,829,216;
5,832,678; 6,014,848; 6,115,980;
6,581,347; 6,942,419; 6,955,017;
6,962,026; 7,104,717; 7,856,781
SAF-T-GLO patent pending