Earth Shield® Type 10 is a high-quality, self-sealing mastic waterstop which prevents water from penetrating non-moving joints in concrete construction.

Type 10's ease of installation makes it the ideal choice for a variety of applications, including:

- Concrete Vaults
- Utility Vaults
- Septic Tanks
- Burial Vaults
- Retaining Walls
- Tunnels
- Storage Tanks
- Box Culverts
- Pipe Penetrations
- Slabs-on-Grade
- Foundations
- Cast-in-Place Applications

The Type 10 Advantage

- Provides permanently flexible watertight joints.
- Quick and easy to install. Does not require skilled labor.
- Excellent adhesion to clean dry surfaces.
- Sealed joints will not shrink, harden or oxidize upon aging.
- Rugged service temperature: -30°F to 200°F (-34°C to 93°C).

Installation Instructions

1. Brush and remove loose dirt and particles from the surface.
2. Brush one coat of Type 10 Primer Adhesive on to the clean, concrete surface. Type 10 Primer Adhesive is available in one gallon cans.
3. Allow primer to cure (per directions on can).
4. Press Type 10 firmly onto the primed surface.
5. Overlap ends (1” minimum), and join with a kneading action, press ends together until there is no separation or air pockets.
6. Remove separation paper.
7. You are now ready for your second pour.

Suggested Short Form Guide Specification

Waterstop indicated in drawings and specifications for construction joints to be Earth Shield® Type 10 Waterstop as manufactured by JP Specialties, Inc. — 551 Birch Street, Lake Elsinore, CA 92530 — Phone 800-821-3859; International 951-674-6869; Fax 951-674-1315; Web www.jpspecialties.com; E-mail jpspec@jpspecialties.com

1. Size: 3/4” x 1” x 16’-8” continuous.
2. Required hydrostatic pressure resistance: 20 psi.
3. Required certification to Federal Spec. SS-S-210A.
4. No equals or substitutions allowed.

Typical Physical Properties

- Type 10 Waterstop is certified for use in Federal Specification SS-S-210A.
- Type 10 Waterstop is certified for use in U.S. Army Corps of Engineers Guide Specification for Military Construction CEGS 03250 Section 2.4.5 Preformed Elastic Adhesive.

- Hydrocarbon Content: 52%
- Specific Gravity, 77°F: 1.22
- Inert Mineral Filler: 1%
- Volatile Matter: 48%
- Softening Point, Ring and Ball: 370°F (188°C)
- Penetration, Cone 77°F: 62 mm
- Flash Point, C.O.C., °F: 630°F (332°C)
- Fire Point, C.O.C., °F: 630°F (332°C)
- Color: Black
- Packaging: 6 rolls per carton
- 100 ft. per carton
- 3/4” x 1” x 16’-8”

Experience the Quality of Earth Shield® Type 10 Sealant Waterstop for Concrete Construction Joints.
Earth Shield® Type 10 Waterstop
Hydrostatic Pressure Test Procedure and Results

1. Test procedure: Select a 14” diameter by 3” thick circular concrete test specimen.
2. The specimen shall be manufactured with six pieces of rebar placed approximately 1-1/2” from the edge of the specimen.
3. The rebar shall be equally spaced around the circumference of the test specimen.
4. The top of the specimen shall consist of a flat surface with the rebar protruding out.
5. With a 1” wide paint brush, apply a 1” wide strip of Earth Shield primer around the circumference of the area closest to the inside of the protruding rebar posts.
6. After allowing primer to thoroughly dry, apply a single piece of Earth Shield Type 10 Waterstop 3/4” x 1” x 16'-8” to the primed area; the ends of the piece shall be molded together in order to form a continuous seal.
7. A sheet of 15-pound tarpaper shall be placed on the remaining exposed concrete surface of the test specimen. The tarpaper creates a separation between the precast section and the cast in section of the test specimen.
8. Plumbing connections and a forming ring shall be placed over the precast test specimen.
9. Concrete is poured into the forming ring casting the Type 10 Waterstop into the test specimen.
10. The test specimen to cure for 48 hours before removing forming ring.
11. Threaded rods and clamping brackets shall be placed over the test specimen.
12. Begin testing by filling the center cavity with water allowing the concrete to become saturated for 12 days. Water shall be added as needed.
13. Hydrostatic pressure is introduced into the center cavity and maintained for the duration of the test.

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<th>PSI</th>
<th>Hours</th>
<th>Result</th>
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<tbody>
<tr>
<td>10</td>
<td>168</td>
<td>No leaks</td>
</tr>
<tr>
<td>13</td>
<td>168</td>
<td>No leaks</td>
</tr>
<tr>
<td>20</td>
<td>168</td>
<td>No leaks</td>
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Earth Shield® Type 10 Waterstop
Water Treatment Chemicals Immersion Testing

<table>
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<tr>
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<th>Days</th>
<th>Result</th>
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<tr>
<td>5% Caustic Potash</td>
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<td>No deterioration</td>
</tr>
<tr>
<td>5% Hydrochloric Acid</td>
<td>30</td>
<td>No deterioration</td>
</tr>
<tr>
<td>5% Sulfuric Acid</td>
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<tr>
<td>5% Saturated Hydrogen</td>
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<td>No deterioration</td>
</tr>
<tr>
<td>5% Hydrogen Sulfide</td>
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<td>No deterioration</td>
</tr>
</tbody>
</table>

Distributed by:

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