

# WELD-ON®

## 2023 POOL & SPA PRODUCT GUIDE



### THE WORLD'S MOST TRUSTED BOND

Choosing the most critical materials for the biggest projects in the world requires trust.

That's why the leading architects, planners, engineers, contractors and installers around the globe choose Weld-On.



## OUR COMPANY

Established in 1954, IPS® Corporation has consistently grown over the past 60+ years. Today, we are the trusted leader in manufacturing solvent cements, adhesives, and components for the pool and spa, plumbing, construction and plastic fabrication industries. Our core brands include **WELD-ON®**, **CHRISTY'S®**, **WATER-TITE®**, **TEST-TITE®**, **GUY GRAY™**, **TRUEBRO®**, and **STUDOR®**. Our quality products are manufactured with proven formulation and design using state-of-the-art equipment and manufacturing techniques.

Headquartered in California, IPS Corp. has operations throughout the United States, as well as China, and a worldwide network of sales representatives and distributors.

## OUR COMMITMENT

**Weld-On** is committed to our customers in all aspects of our operation and in all functions of our company:

**Quality products** - We are committed to manufacturing quality products for professionals based on comprehensive production and quality management system. Our products are manufactured to the highest standards available and face stringent quality control tests prior to sale and distribution.

**Excellent customer service** - Our skilled team is readily available to help customers with product selection and ordering. We are experts in international shipping and our international customer service staff is certified in hazardous material shipment.

**Professional technical service** - Our technical specialists provide professional recommendations and product application/job-site installation training to suit the needs of our customers.

**Expert R&D** - Our research scientists and engineers have vast technical knowledge to develop the most technically advanced and innovative products to meet our customers' needs.



Our California facility takes pride in limiting volatile organic compound (VOC) emissions into the environment. Two regenerative thermo oxidizers are utilized to eliminate 99% of the VOC from our ventilation system before emitting air to the atmosphere.



## WELD-ON® ULTRA-LOW VOC PVC CEMENTS FOR POOL & SPA APPLICATIONS

**Weld-On** is the original innovator of solvent cements, primers and cleaners for PVC, CPVC, and ABS plastic piping systems. Our name is globally recognized as the premium brand of products for joining plastic pipes and fittings. We are committed not only to providing the best product performance, but to do so in the **most environmentally responsible manner**. All solvent cements, primers and cleaners **meet the requirements for VOC (volatile organic compound) emission limits** established by the California South Coast Air Quality Management District (SCAQMD), one of the nation's strictest air quality regulatory bodies. Low VOC emissions contribute to cleaner air.

**Weld-On® Pool & Spa series** was developed to meet the professional needs of contractors in assembling PVC for pool and spa applications.

- High Quality Performance with excellent installation properties.
- User Friendly. Reduced fumes and odor for the comfort and well-being of pipe installers.
- Meets NSF/ANSI 14 and NSF/ANSI 64 Standards.
- The Ultra Low VOC content meets the 2023 SCAQMD Rule 1168 VOC limit.
- Environmentally Responsible. LEED® Compliant (Leadership in Energy and Environmental Design). Credit can be gained through the use of Weld-On Low VOC products. This program, developed by the US Green Building Council, uses SCAQMD Rule 1168 as a benchmark for Ultra Low VOC products to earn one credit# toward LEED certification for green building.

#LEED Green Building Rating System For New Construction & Major Renovations Version 2.2 (Indoor Environmental Air Quality: EQ Credit 4.1 Low-Emitting Materials - Adhesives & Sealants)

# WELD-ON® POOL & SPA CEMENTS AND PRIMER SELECTION GUIDE

|                             |                    | NOMINAL PIPE SIZE |                      |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|-----------------------------|--------------------|-------------------|----------------------|---------------------|-------------------|---|-------|-------|---|-------|---|---|---|---|----|----|----|----|----|--|--|
|                             |                    | in                | mm                   | 1/2                 | 3/4               | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 24 | 30 |  |  |
| WELD-ON POOL & SPA PRODUCTS | PVC CEMENTS        | REGULAR BODY      | COLOR                | PRODUCT             |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    |                   | CLEAR                | 740<br>POOL REGULAR |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    | MEDIUM BODY       | CLEAR                | 744†<br>POOL MEDIUM |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    |                   | GRAY                 |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    |                   | HEAVY BODY           | CLEAR               | 746<br>POOL HEAVY |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    |                   | GRAY                 |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             | SPECIALTY PRODUCTS | BLUE to CLEAR     | 747†<br>POOL 'R SPA™ |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    | BLUE to CLEAR     | RED HOT<br>Pool Pro™ |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    | BLUE to CLEAR     | 748†<br>POOL FAST™   |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    | CLEAR to BLUE     | 795<br>PVC           |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    |                   |                      |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             | PRIMERS / CLEANERS | PURPLE            | Pool Primer          |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    | CLEAR             |                      |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |
|                             |                    | CLEAR             | Pool Cleaner         |                     |                   |   |       |       |   |       |   |   |   |   |    |    |    |    |    |  |  |

**PIPE FORMAT**

Schedule 40/PN3.2, PN4, PN6













Schedule 80/PN10, PN16





† Can be used without a primer on non-pressure systems with fittings having an interference fit (unless primer required by local code).

Weld-On continues to lead the industry in offering the widest selection of regulatory-compliant, environmentally-friendly ultra low VOC solvent cements and primers.










| PVC POOL & SPA SOLVENT CEMENTS   |   | Max Pipe Size (Interference Fit)   | Set Time | Available Color | Industry Listing                                       | Meets Following Performance Specification                             |
|--|---|--|----------|-----------------|--|---|
|  | <p><b>740™ POOL REGULAR</b></p> <ul style="list-style-type: none"> <li>Regular bodied cement for pool &amp; spa applications.</li> </ul>  | <ul style="list-style-type: none"> <li>4" (110 mm) PVC</li> </ul>  | Fast     | CLEAR           | <br>PW-G/DW/SW   | ASTM D 2564<br>NSF/ANSI 14<br>NSF/ANSI 61                             |
| AVAILABLE SIZES      Gallon (#13550), Quart (#13551), Pint (#13552), 1/2 Pint (#13553)   |   |  |          |                 |  |   |
|  | <p><b>744™ POOL MEDIUM</b></p> <ul style="list-style-type: none"> <li>Medium bodied cement for pool &amp; spa applications.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul> | <ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC - PN 10 &amp; 16</li> </ul>  | Fast     | CLEAR<br>GRAY   | <br><br>PW-G/DW/SW<br><br>US<br>PW-G/DW/SW (Gray Only) | ASTM D 2564<br>NSF/ANSI 14<br>NSF/ANSI 61<br>CSA B137.3<br>CSA B181.2 |
| AVAILABLE SIZES      CLEAR: Gallon (#13554), Quart (#13555), Pint (#13556), 1/2 Pint (#13557)<br>GRAY: Gallon (#13558), Quart (#13559) |   |  |          |                 |  |   |
|  | <p><b>746™ POOL HEAVY</b></p> <ul style="list-style-type: none"> <li>Heavy bodied cement for pool &amp; spa applications.</li> </ul>  | <ul style="list-style-type: none"> <li>12" (315 mm) PVC</li> <li>18" (480 mm) PVC (non pressure applications)</li> </ul> | Medium   | CLEAR<br>GRAY   | <br><br>PW-G/DW/SW<br><br>US<br>PW-G/DW/SW (Gray Only) | ASTM D 2564<br>CSA B137.3<br>CSA B181.2<br>NSF/ANSI 14<br>NSF/ANSI 61 |
| AVAILABLE SIZES      CLEAR: Gallon (#13562), Quart (#13563)<br>GRAY: Gallon (#13566), Quart (#13567), Pint (#13568), 1/2 Pint (#13569) |   |  |          |                 |  |   |



| POOL & SPA SPECIALTY "BLUE" SOLVENT CEMENTS   |   | Max Pipe Size (Interference Fit)  | Set Time       | Available Color   | Industry Listing   | Meets Following Performance Specification               |
|---|---|---|----------------|---|--|---|
|    | <p><b>747™ POOL 'R SPA™</b></p> <ul style="list-style-type: none"> <li>Medium bodied premium PVC cement specially formulated for pool &amp; spa applications.</li> <li>Ideal for wet or quick pressurization conditions.</li> <li>Blue cement fades to clear in sunlight.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>                   | <ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC - PN 10 &amp; 16</li> <li>Rigid and Flexible PVC</li> </ul> | Extremely Fast | <div style="border: 1px solid blue; padding: 2px; display: inline-block;">BLUE to CLEAR</div>   | <br><br><small>PW-G/DWW/SW</small>     | ASTM D 2564<br>NSF/ANSI 14<br>NSF/ANSI 61<br>CSA B45.10 |
| AVAILABLE SIZES   |   | Gallon (#10851), Quart (#10852), Pint (#10853), ½ Pint (#10854), ¼ Pint (#10855)  |                |   |  |   |
|    | <p><b>748™ POOL FAST™</b></p> <ul style="list-style-type: none"> <li>Medium bodied high-strength and ultra fast setting cement; specially formulated for pool maintenance and repair.</li> <li>For wet or quick pressurization conditions.</li> <li>Blue cement fades to clear in sunlight.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul> | <ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC - PN 10 &amp; 16</li> <li>Rigid and Flexible PVC</li> </ul> | Ultra Fast     | <div style="border: 1px solid blue; padding: 2px; display: inline-block;">BLUE to CLEAR</div>   | <br><br><small>PW-G/DWW/SW</small>     | ASTM D 2564<br>NSF/ANSI 14<br>NSF/ANSI 61               |
| AVAILABLE SIZES   |   | Gallon (#13655), Quart (#13342), Pint (#13343), ½ Pint (#13344)   |                |   |  |   |
|   | <p><b>795™ PVC</b></p> <ul style="list-style-type: none"> <li>Premium cement specially formulated for use on flexible and/or rigid PVC.</li> <li>Forms flexible high-strength joints.</li> </ul>  | <ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>3" (90 mm) Schedule 80 PVC</li> </ul>   | Fast           | <div style="border: 1px solid blue; padding: 2px; display: inline-block; margin-right: 5px;">CLEAR</div><br><div style="border: 1px solid blue; padding: 2px; display: inline-block; margin-right: 5px;">BLUE</div> | <br><br><small>PW-G/DWW/SW</small>    | ASTM D 2564<br>NSF/ANSI 14<br>NSF/ANSI 61               |
| AVAILABLE SIZES   |   | CLEAR: Gallon (#10278), Quart (#10280), Pint (#10281), ½ Pint (#10282), ¼ Pint (#10283) BLUE: Gallon (#11727), Quart (#11905)                           |                |   |  |   |
|  | <p><b>RED HOT POOL PRO™</b></p> <ul style="list-style-type: none"> <li>Medium bodied premium PVC cement specially formulated for pool &amp; spa applications.</li> <li>Ideal for wet or quick pressurization conditions.</li> <li>Blue cement fades to clear in sunlight.</li> <li>Can be used without primer on non-pressure systems if local codes permit.</li> </ul>                   | <ul style="list-style-type: none"> <li>6" (160 mm) PVC</li> <li>4" (110 mm) Schedule 80 PVC - PN 10 &amp; 16</li> <li>Rigid and Flexible PVC</li> </ul> | Extremely Fast | <div style="border: 1px solid blue; padding: 2px; display: inline-block;">BLUE to CLEAR</div>   | <br><br><small>PW-G/DWW/SW</small> | ASTM D 2564<br>NSF/ANSI 14<br>NSF/ANSI 61<br>CSA B45.10 |
| AVAILABLE SIZES   |   | Gallon (#505171), Quart (#505175), Pint (#505173), ½ Pint (#505172), ¼ Pint (#505174)   |                |   |  |   |

| PRIMERS & CLEANERS  |   | Available Color   | Industry Listing   | Meet Following Performance Specification |
|---|---|---|--|--|
|  | <p><b>POOL PRIMER™</b></p> <ul style="list-style-type: none"> <li>Quality Low VOC primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces</li> </ul>  | <div style="border: 1px solid purple; padding: 2px; display: inline-block; margin-right: 5px;">PURPLE</div><br><div style="border: 1px solid blue; padding: 2px; display: inline-block; margin-right: 5px;">CLEAR</div> | <br><small>(Purple Only)</small><br><br><small>PW-G/DWW/SW</small> | ASTM F 656<br>NSF/ANSI 14<br>NSF/ANSI 61 |
| AVAILABLE SIZES   |   | PURPLE: Gallon (#13570), Quart (#13571), Pint (#13572), ½ Pint (#13658)<br>CLEAR: Gallon (#13574), Quart (#13575), Pint (#13576), ½ Pint (#13656)   |  |  |
|  | <p><b>POOL CLEANER™</b> <span style="background-color: blue; color: white; padding: 2px 5px;"><b>NEW PRODUCT</b></span></p> <ul style="list-style-type: none"> <li>Ultra Low VOC formula for removal of oil and grease from the surfaces of PVC, CPVC, ABS and STYRENE pipe and fittings in pool and spa applications.</li> <li>Recommended for use before priming of pipe and fittings.</li> </ul> | <div style="border: 1px solid blue; padding: 2px; display: inline-block;">CLEAR</div>   | —  | —  |
| AVAILABLE SIZES   |   | CLEAR: Gallon (#15917), Quart (#15918), Pint (#15919), ½ Pint (#15920)  |  |  |





## WELD-ON SOLVENT CEMENT / PRIMER APPLICATORS

|   |  |                |                |                |                 |                |                |                 |  |  |
|---|--|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|--|--|
|  <p><b>SuperSwab™</b><br/>A sturdy easy-to-grip 4" swab for pipe diameter from 4" through 8". Adjustable length and dual cap design that fits quart and gallon containers. The swab tip is disposable and swab handle is reusable. Patent No. 8747004</p> <p><i>Individual Pack (#14108), Bulk Pack (#14111)<br/>Replacement Swab Tip Bulk Pack (#14112)</i></p> |  <p><b>7020</b><br/>Jumbo Roll-A-Weld 7" roller for pipe diameters of 6" or larger; fits MT-648 gallon can and cements available in wide mouth cans. (#10008)</p>  |                |                |                |                 |                |                |                 |  |  |
|  <p><b>3020</b><br/>Roll-A-Weld 3" roller for pipe diameters from 3" through 6"; fits MT-653 empty quart triple tight neck can. (#10007)</p>   |  <p><b>4020</b><br/>4" swab for pipe diameters of 6" or larger; fits MT-648 empty gallon can and cements available in wide mouth cans. (#10009)</p>  |                |                |                |                 |                |                |                 |  |  |
|  <p><b>6020</b><br/>Roll-A-Weld 4" roller for pipe diameters from 3" through 8"; fits standard quart can as well as MT-651 empty quart can. (#11957)</p>   |  <p><b>5020</b><br/>4" swab for pipe diameters from 3" through 8"; fits standard quart can as well as MT-651 empty quart can. (#12071)</p>   |                |                |                |                 |                |                |                 |  |  |
|  <p><b>SuperDauber™</b><br/>Fully adjustable, telescopic stem that fits quart, pint and 1/2 pint cans. Easy grip, ribbed handle allows better dauber control. Shed-resistant dauber material is better for smooth, full application of cement or primer. Available in 3/4" (#10832) and 1 1/4" (#10833) dauber sizes.</p>  |  <p><b>Cap Daubers</b><br/>DH Daubers fit 1/4 pint &amp; 1/2 pint cans; DP daubers fit 1/2 pint &amp; pint cans; DQ daubers fit quart cans. Available in 3/8", 1/2", 3/4", and 1 1/2" dauber sizes.</p> <p><b>AVAILABLE SIZES</b></p> <table style="width: 100%; font-size: small;"> <tr> <td>DH-38 (#13199)</td> <td>DP-50 (#10003)</td> <td>DP-75 (#10004)</td> </tr> <tr> <td>DP-150 (#10005)</td> <td>DQ-50 (#11831)</td> <td>DQ-75 (#12429)</td> </tr> <tr> <td>DQ-150 (#10006)</td> <td></td> <td></td> </tr> </table> | DH-38 (#13199) | DP-50 (#10003) | DP-75 (#10004) | DP-150 (#10005) | DQ-50 (#11831) | DQ-75 (#12429) | DQ-150 (#10006) |  |  |
| DH-38 (#13199)  | DP-50 (#10003)   | DP-75 (#10004) |                |                |                 |                |                |                 |  |  |
| DP-150 (#10005)   | DQ-50 (#11831)   | DQ-75 (#12429) |                |                |                 |                |                |                 |  |  |
| DQ-150 (#10006)   |  |                |                |                |                 |                |                |                 |  |  |
|  <p><b>PB-1</b><br/>Plastic handle brush. Fits standard pint and quart cans. (#12121)</p>   |  |                |                |                |                 |                |                |                 |  |  |

## CHRISTY'S RED HOT VINYL CONSTRUCTION ADHESIVES








|  |   |
|--|---|
|  <p><b>Red Hot Vinyl Adhesives</b><br/>Specialty formulation for various Pool &amp; Spa Vinyl / PVC applications including decking, furniture, and liners.</p> <p>High strength, superior adhesion with long-term UV stabilization.</p> <p>High viscosity for optimum gap filling between bonding surfaces.</p> <p><b>MitreBond</b> is a 2-part rapid-set construction adhesive that precisely bonds and repairs a wide range of materials.</p> | <p><b>Red Hot Clear Vinyl Adhesive</b><br/>1.5 oz Tube (#505096), 5.25 oz Tube (#505097), 8 oz Tube (#505098), 10.3 oz Tube (#505095), 1/4 Pint Can (505105), 1/2 Pint Can (#505102), Pint Can (#505103), Quart Can (#505106), Gallon Can (#505100)</p> |
|  | <p><b>Red Hot White Vinyl Adhesive</b><br/>1.5 oz Tube (#505114), 5.25 oz Tube (#505115), 8 oz Tube (#505117), 1/4 Pint Can (505124), 1/2 Pint Can (#505121), Pint Can (#505122), Quart Can (#505125), Gallon Can (#505119)</p>                         |
|  | <p><b>Red Hot Vinyl 2-Part Construction Adhesive</b><br/>Fast Cure Dual Cartridge - 220ml (#505310) Slow Cure Dual Cartridge - 220ml (#505309)<br/>Application Gun 2-Part Only, 220ml (#505090) Mixing Tips 2-Part, 12 Pack, 220ml (#505314)</p>        |
|  | <p><b>MitreBond Construction Adhesive</b><br/>1-Pack with Pen (#505311), 3-Pack with Pen (#505312)</p>  |

## WELD-ON SOLVENT CEMENT / PRIMER ACCESSORIES

|   |  |          |                             |          |        |                            |          |        |  |          |        |                           |          |
|---|--|----------|-----------------------------|----------|--------|----------------------------|----------|--------|--|----------|--------|---------------------------|----------|
|  <p><b>Can-Tote Cement &amp; Primer Carrier</b><br/>For carrying quart and pint cans.</p> <p>6 pack (#14147)<br/>24 pack (#12891)</p>                                |  <p><b>Easy Twist™</b><br/>The Easy Twist™ is ergonomically designed to easily open the can in a simple twist without damaging the cap. When closing the can, the Easy Twist™ helps tighten and seal the cap with extra torque preventing solvent cements or primers from drying out. (#14550 8-pack)</p>   |          |                             |          |        |                            |          |        |  |          |        |                           |          |
|  <p><b>Mounted Power Beveling Tool</b><br/>For beveling the ends of small diameter plastic pipe (PVC, CPVC, ABS). Nominal pipe sizes 1/2" CTS - 3" IPS. (#12863)</p> |  <p><b>Empty Metal Cans</b><br/>(Caps not available for sale. Daubers sold separately.)</p> <p><b>AVAILABLE SIZES</b></p> <table style="width: 100%; font-size: small;"> <tr> <td>MT-648</td> <td>Gallon can with 2 7/8" neck</td> <td>(#10010)</td> </tr> <tr> <td>MT-651</td> <td>Quart can with 1 3/4" neck</td> <td>(#10012)</td> </tr> <tr> <td>MT-653</td> <td>Quart can with triple tight neck (paint style)</td> <td>(#10014)</td> </tr> <tr> <td>MT-654</td> <td>Pint can with 1 3/4" neck</td> <td>(#10015)</td> </tr> </table> | MT-648   | Gallon can with 2 7/8" neck | (#10010) | MT-651 | Quart can with 1 3/4" neck | (#10012) | MT-653 | Quart can with triple tight neck (paint style) | (#10014) | MT-654 | Pint can with 1 3/4" neck | (#10015) |
| MT-648  | Gallon can with 2 7/8" neck  | (#10010) |                             |          |        |                            |          |        |  |          |        |                           |          |
| MT-651  | Quart can with 1 3/4" neck   | (#10012) |                             |          |        |                            |          |        |  |          |        |                           |          |
| MT-653  | Quart can with triple tight neck (paint style)   | (#10014) |                             |          |        |                            |          |        |  |          |        |                           |          |
| MT-654  | Pint can with 1 3/4" neck  | (#10015) |                             |          |        |                            |          |        |  |          |        |                           |          |

## PIPE THREAD SEALANTS





All Weld-On® pipe thread sealants are lead free, odor free, non-staining, applicable in a large temperature range, can be immediately pressurized, easy to clean and have a creamy texture that packs well between pipe threads for a better seal.

|  | Industry Listing   | Pressure Rating (PSI) |       | Temperature Range | Color        | Shelf-life |
|--|--|-----------------------|-------|-------------------|--------------|------------|
|  |  | Liquids               | Gases |                   |              |            |
|  <p><b>All Seal™</b> <span style="float: right;"><b>MULTI-PURPOSE SEALANT</b></span></p> <ul style="list-style-type: none"> <li>Slow drying, soft-setting formula allows ample time to work with pipe joints. Also easy for disassembly.</li> <li>Creamy, non-separating consistency provides excellent thread coverage.</li> <li>Product is grit-free to provide leak-proof seal on pipe threads.</li> <li>For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, &amp; Nylon) piping systems carrying various materials.<sup>1</sup></li> <li>Very low VOC content: 152 g/L.</li> </ul>   | <br>   | 6,000                 | 3,000 | -50°F to 455°F    | <b>BEIGE</b> | 2 year     |
| <b>AVAILABLE SIZES</b> Pint (#87670), 1/2 Pint (#87665), 1/4 Pint (#87660)   |  |                       |       |                   |              |            |
|  <p><b>White Seal™ Plus</b> <span style="float: right;"><b>MULTI-PURPOSE SEALANT WITH PTFE</b></span></p> <ul style="list-style-type: none"> <li>Contains finely homogenized PTFE particles for filling cracks and thread imperfections – ensuring a leak-proof seal.</li> <li>Non-setting formula allows easy disassembly of joints without damage to pipe, fittings or threads. Protects threaded areas from rust and corrosion and prevents galling.</li> <li>For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene, &amp; Nylon) piping systems carrying various materials.<sup>1</sup></li> <li>Tested and approved for addition to the FBC System compatible program for use with FlowGuard Gold®, BlazeMaster®, and Corzan® CPVC plastic piping systems.</li> <li>No VOC content.</li> </ul> | <br><br> | 10,000                | 3,000 | -50°F to 455°F    | <b>WHITE</b> | 3 year     |
| <b>AVAILABLE SIZES</b> Quart (#87740), Pint (#87735), 1/2 Pint (#87730), 1/4 Pint (#87725)   |  |                       |       |                   |              |            |

<sup>1</sup> All Seal and White Seal can be used on **metal and plastic** piping systems carrying: air & gases (compressed, manufactured or natural), ammonia, brine, acid (diluted), caustic alkalis (diluted), corrosives, freons, fuel (diesel, gasoline, jet fuel, and kerosene), oils, petroleum, propane, solvents, steam, sugar, and water. Not recommended for oxygen, fluorine, or liquid sodium systems.




## JOINT COMPOUNDS

In addition to our premium Weld-On® sealants, we also offer a cost-effective sealant alternative - our joint compounds. They are semi-solid, lead-free, non-toxic, and also provide effective seals to plumbing fixtures & drains, as well as pipe threads.

|  |  |
|--|--|
|  <p><b>Soft Seal Plumber Putty</b></p> <ul style="list-style-type: none"> <li>For setting and sealing plumbing fixtures and drains. Will not harden, crack or crumble.</li> <li>Complies with Federal Specification TT-P-1536A.</li> <li>Lead-free, non-corrosive and stainless.</li> <li>100% water-proof.</li> </ul>        | <b>AVAILABLE SIZES</b> 5 LB. (#80105), 3 LB. (#80103), 14 Oz. (#80100)   |
|  <p><b>Epoxy Putty Stick</b></p> <ul style="list-style-type: none"> <li>Quick hardening sealant/adhesive.</li> <li>Plugs, seals, patches or repairs most materials.</li> <li>Excellent for underwater repairs.</li> <li>Hardens in 20 minutes and cures in 1 hour.</li> <li>Non-toxic, safe for potable water line.</li> </ul> | <b>AVAILABLE SIZES</b> 4 Oz (#84055)   |
|  <p><b>Pipe Stick Joint Compound</b></p> <ul style="list-style-type: none"> <li>Thread sealant for metal and plastic pipe.</li> <li>Prevents rust and corrosion allowing easier disassembly.</li> <li>Lead-free and non-toxic.</li> </ul>   | <b>AVAILABLE SIZES</b> 1.3 Oz (#81255)   |
|  <p><b>Thread Seal Tape</b></p> <ul style="list-style-type: none"> <li>Contains PTFE.</li> <li>Complies with MIL-T-27730A specifications.</li> <li>Available in various colors, widths and lengths.</li> </ul>   | <b>AVAILABLE SIZES:</b> 1/2" x 260" White (#80315), 1/2" x 520" White (#80310), 3/4" x 260" White (#87750), 3/4" x 520" White (#87755), 1" x 520" White (#87720), 1/2" x 260" Yellow Gas Line (#80320), 1/2" x 260" Pink Extra Duty (#80325) |

## REPAIR AND FABRICATION ADHESIVES

The following Weld-On adhesives meets VOC emission limits per SCAQMD Rule 1168. Use of these products can qualify for one credit in the LEED® Green Building Rating System – Indoor Environmental Quality.

|  |   | Applicable for use with   | Viscosity   | Set Time | Color | Shelf Life |
|--|---|---|-------------|----------|-------|------------|
|  <p><b>810™</b></p> <ul style="list-style-type: none"> <li>Thick syrupy, two-component, high strength reactive adhesive.</li> <li>Product can withstand very high pressures and is high impact resistant. Great for repairing cracks or leaky pipe valves and fittings.</li> <li>Excellent gap-filling properties. Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.</li> </ul>   | <ul style="list-style-type: none"> <li>PVC</li> <li>ABS</li> <li>Acrylic</li> <li>Clay</li> <li>Concrete</li> </ul> | <ul style="list-style-type: none"> <li>CPVC</li> <li>Styrene</li> <li>FRP (fiberglass-reinforced polyester)</li> </ul>    | 40,000 cps  | 1 hour   | WHITE | 1 year     |
| AVAILABLE SIZES  | Gallon (#10810), Quart (#10811), Pint (#10812), 4 Oz (#10813)   |   |             |          |       |            |
|  <p><b>811™</b></p> <ul style="list-style-type: none"> <li>Thick syrupy, two-component, high strength reactive adhesive. Same formula as 810, but different packaging format.</li> <li>Product can withstand very high pressures and is high impact resistant. Great for repairing cracks or leaky pipe valves and fittings.</li> <li>Excellent gap-filling properties. Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.</li> <li>Conveniently packaged in a dual cylinder cartridge for easy dispensing and application to the bonding surfaces.</li> <li>See below for accessories.</li> </ul> | <ul style="list-style-type: none"> <li>PVC</li> <li>ABS</li> <li>Acrylic</li> <li>Concrete</li> </ul>               | <ul style="list-style-type: none"> <li>CPVC</li> <li>Styrene</li> <li>FRP (fiberglass-reinforced polyester)</li> </ul>    | 40,000 cps  | 1 hour   | WHITE | 1 year     |
| AVAILABLE SIZES  | 470mL (#10985)  |   |             |          |       |            |
|  <p><b>845™</b></p> <ul style="list-style-type: none"> <li>Highly viscous, two-component, high strength, reactive adhesive.</li> <li>Product can withstand very high pressure and large temperature range (-30°F / -35°C to 140°F / 60°C). It is also impact resistant and can be used in wet conditions.</li> <li>Excellent gap-filling properties. Ideal for fabricating fittings and joining saddles to pipe. Good for bonding large diameter PVC and CPVC pipe and fittings.</li> <li>Conveniently packaged in a dual cylinder cartridge for easy dispensing and application to the bonding surfaces.</li> <li>See below for accessories.</li> </ul>                  | <ul style="list-style-type: none"> <li>PVC</li> <li>ABS</li> <li>Acrylic</li> <li>Concrete</li> </ul>               | <ul style="list-style-type: none"> <li>CPVC</li> <li>Fiberglass</li> <li>FRP (fiberglass-reinforced polyester)</li> </ul> | 400,000 cps | 30 mins. | TAN   | 1 year     |
| AVAILABLE SIZES  | 400mL (#12759), 43mL (#12709 -12-pack), 43mL Starter Kit (#12711)   |   |             |          |       |            |

## ADHESIVE ACCESSORIES

|  |   |                 |   |
|--|---|-----------------|---|
|  <p><b>811 Dispensing gun and mixing tips</b></p> <ul style="list-style-type: none"> <li>Manual or pneumatic dispensing gun for convenient application of Weld-On 811 dual cartridge, high strength adhesive.</li> <li>Straight mixing tip provides even blending of the two adhesive components prior to application.</li> </ul> |  <p><b>845 Dispensing gun and mixing tips</b></p> <ul style="list-style-type: none"> <li>Manual or pneumatic dispensing gun for convenient application of Weld-On 845 dual cartridge, high strength adhesive.</li> <li>Straight mixing tip provides even blending of the two adhesive components prior to application.</li> </ul> |                 |   |
| AVAILABLE SIZES  | Manual gun (#14150)<br>Mixing tip (#14080)  | AVAILABLE SIZES | 400mL: Metal frame manual gun (#14152)<br>Mixing tip (#14040)<br>43mL: Manual gun (#12471), mixing tip (#14077) |



# TRIED & TRUE

## THE ORIGINAL BLUE POOL SOLVENT CEMENTS



### SOLVENT CEMENTS SET/CURE TIMES AND APPLICATOR GUIDE

Average Initial Set Schedule For WELD-ON® PVC/CPVC Solvent Cements\*\*

| Temperature Range  | Pipe Sizes                    |                             |                              |                             |                |
|--------------------|-------------------------------|-----------------------------|------------------------------|-----------------------------|----------------|
|                    | 1/2" to 1 1/4" (20mm to 40mm) | 1 1/2" to 2" (50mm to 63mm) | 2 1/2" to 8" (75mm to 200mm) | 10" to 15" (250mm to 380mm) | 15"+ (380mm +) |
| 60°-100°F/16o-38oC | 2 minutes                     | 5 minutes                   | 30 minutes                   | 2 hours                     | 4 hours        |
| 40°-60°F/5o-16oC   | 5 minutes                     | 10 minutes                  | 2 hours                      | 8 hours                     | 16 hours       |
| 0°-40°F/-18o-5oC   | 10 minutes                    | 15 minutes                  | 12 hours                     | 24 hours                    | 48 hours       |

**Note** - Initial set schedule is the necessary time to allow before the joint can be carefully handled. In damp or humid weather allow 50% more set time.

Average Joint Cure Schedule For WELD-ON PVC/CPVC Solvent Cements\*\*

| Relative Humidity<br>60% or less                   | Pipe Sizes                    |                               |                             |                               |                              |                               |                             |                       |
|--|-------------------------------|-------------------------------|-----------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-----------------------|
|  | 1/2" to 1 1/4" (20mm to 40mm) |                               | 1 1/2" to 2" (50mm to 63mm) |                               | 2 1/2" to 8" (75mm to 200mm) |                               | 10" to 15" (250mm to 380mm) | 15"+ (380mm +)        |
| Temperature range during assembly and cure periods | up to 160 psi / 11 Bar        | 160 to 370 psi / 11 to 26 Bar | up to 160 psi / 11 Bar      | 160 to 315 psi / 11 to 22 Bar | up to 160 psi / 11 Bar       | 160 to 315 psi / 11 to 22 Bar | up to 100 psi / 7 Bar       | up to 100 psi / 7 Bar |
| 60°-100°F/16o-38oC                                 | 15 min                        | 6 hrs                         | 30 min                      | 12 hrs                        | 1 1/2 hrs                    | 24 hrs                        | 48 hrs                      | 72 hrs                |
| 40°-60°F/5o-16oC                                   | 20 min                        | 12 hrs                        | 45 min                      | 24 hrs                        | 4 hrs                        | 48 hrs                        | 96 hrs                      | 6 days                |
| 0°-40°F/-18o-5oC                                   | 30 min                        | 48 hrs                        | 1 hour                      | 96 hrs                        | 72 hrs                       | 8 days                        | 8 days                      | 14 days               |

**Note** - Joint cure schedule is the necessary time to allow before pressurizing system. In damp or humid weather allow 50% more cure time.

\*\* These figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly. This chart should be used as a general reference only.

Average Number of Joints/Quart (1Kg) of WELD-ON Cement\*

| Pipe Diameters   | 1/2" / 20mm | 3/4" / 25mm | 1" / 32mm | 1 1/2" / 50mm | 2" / 63mm | 3" / 90mm | 4" / 110mm | 6" / 160mm | 8" / 200mm | 10" / 250mm | 12" / 315mm | 15" / 380mm | 18" / 450mm |
|------------------|-------------|-------------|-----------|---------------|-----------|-----------|------------|------------|------------|-------------|-------------|-------------|-------------|
| Number of Joints | 300         | 200         | 125       | 90            | 60        | 40        | 30         | 10         | 5          | 2-3         | 1-2         | 3/4         | 1/2         |

**Note - For Primer:** Double the number of joints shown for cement.

\* These figures are estimates based on our laboratory tests. Due to the many variables in the field, these figures should be used as a general guide only. **Note: 1 Joint = 1 Socket**

### Pipe Size Equivalent Chart - Inches/Millimeters

|     |      |      |    |        |        |    |        |    |     |     |     |     |     |     |     |     |     |
|-----|------|------|----|--------|--------|----|--------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| in. | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4"  | 6"  | 8"  | 10" | 12" | 14" | 18" | 24" | 30" |
| mm. | 20   | 25   | 32 | 40     | 50     | 63 | 75     | 90 | 110 | 160 | 200 | 250 | 315 | 355 | 450 | 600 | 800 |



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