ConSeal™ CSR-1200
Water Activated, Rigid Polyurethane Foam

Hydrophobic, Rigid Foam for Sealing Below Grade Gushing Leaks in Concrete Structures

Applications
For sealing active, gushing leaks in below grade concrete structures such as: Manholes, Pipe Joints, Box Culverts, Storm Sewers, Retaining Walls, Below Grade Parking Decks, Dams, and Tunnels. Stops gushing water leaks and stabilizes soil in below grade structures. Does not fix structural damage.

Not intended for use in expansion joints or joints that move.

Features
- Pumped as Single Component
- Low viscosity optimizes penetration
- Up to 2900% unconfined expansion
- Catalyst allows for controllable set time
- Encapsulates and strengthens loose soil
- Best CSR product for freeze/thaw applications
- Application Temperature Range: 38°F to 130°F (3°C to 54°C)
- Service Temperature Range: -30°F to +200°F (-34°C to +93°C)
- Meets ANSI / NSF Standard 61 for Drinking Water

Physical Properties

<table>
<thead>
<tr>
<th>Uncured Properties</th>
<th>Spec</th>
<th>CSR-1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td></td>
<td>110-130 cps</td>
</tr>
<tr>
<td>Solids Content</td>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cured Properties</th>
<th>ASTM D3574</th>
<th>ASTM D1042/D756</th>
<th>ASTM C39</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>41 psi</td>
<td>None</td>
<td>970 psi</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td>3.4%</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Shrinkage</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Compressive Strength</td>
<td></td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

*Cured properties vary depending on application conditions

Reaction Times
- Initial Reaction: 30 seconds
- Full Rise: 2 minutes, 30 seconds
- Full Cure: 24 hours

Packaging & Storage
Available in Dual Cartridge with controlled-set, catalyst agent. Compatible dispensing guns available.
Storage: Store in dry environment between 40°F and 80°F. Elevated temperatures will reduce shelf life.
Shelf Life: 18 months from date of manufacture for unopened, properly stored product.

Don't Just Seal It, ConSeal It!
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Product Guidelines
Material Preparation: Store material overnight to precondition to 70°F-80°F prior to use.

Reaction Procedures & Ratio: CSR-1200 quickly reacts with any available water.

Application Instructions: See Installation Guidelines. Contact ConSeal for your application specific instructions.

Personal Protection: Safety Glasses, gloves, avoid skin contact, do not ingest, for professional use only, see SDS. For use in well ventilated areas only to keep vapor concentrations low. Use mechanical ventilation if necessary. Use a self-contained breathing apparatus in confined space environments.

Cleanup: Flush equipment with solvent based material. Clean off skin with soap and water. Mechanically remove cured material. Clean up unwanted, excess liquid product by reacting product with a small amount of water to cure and then dispose. Cured material is environmentally safe and can be disposed of in an approved landfill.

Limitations: Cold temperatures will slow down reaction time and increase viscosity of liquid product. No ice can be present in areas to be serviced. Wait for warmer weather or flush out ice with warm water prior to injecting CSR-1200. Acidic solutions below pH 3 and alkaline solutions above pH 10 may adversely affect foam properties.

Catalyst Ratio Chart
Catalyst Mix Percentage | Initial Reaction Time | Rise Time | Expansion
---|---|---|---
10% (Cartridge Preset) | 5 Seconds | 30 Seconds | 2900%
7.5% | 12 Seconds | 37 Seconds | 2850%
5% | 20 Seconds | 70 Seconds | 2650%
3.5% | 30 Seconds | 80 Seconds | 2350%
1% | 90 Seconds | 5 Minutes 30 Seconds | 1350%

Note: Cartridges are pre-packed with a 10% Catalyst dosage. Bulk packaging allows for variable dosing for your specific application.

Limited Warranty
This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the users’ responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

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