THE NEED TO SEAL SHEET PILES

The Problem
As the use of sheet piling in wet environments increases, so does the need to create a safe, dry work area after excavation. The high cost of dewatering and treatment, as well as increased concerns for worker safety and potential damage to the surrounding eco-system pose a challenge to both the designer and contractor.

The Solution
SWELLSEAL® WA, hydrophilic polyurethane, offers a safe clean method of sealing sheet piling without the use of hazardous chemicals. Formulated to swell upon contact with water, hydrophilic polyurethanes can expand to any shape to form a seal against water leaking through the interlocks and penetrations in sheet piles.

SWELLSEAL® WA
SWELLSEAL® WA is a single component hydrophilic polyurethane that can be applied in wet or dry environments. Upon contact with ground water, it can swell 2 or more times its original volume. When applied to the interlocks of sheet piling, it can swell to seal a leaking interlock in the sheet

SWELLSEAL® WA Advantages:

• Easy to install gunnable paste
• No cure time required prior to driving sheets
• Can be applied to wet or dry surface
• Can be applied at cold temperatures
• Can wet and dry cycle repeatedly
• Can be applied to rough surfaces
REPAIR

**Properties and Advantages:**
Leaks that appear after sealing sheets can be repaired with HYDRO ACTIVE® CUT. Applied in liquid form by injection or saturation methods. HYDRO ACTIVE® CUT swells up to 20 times its original volume to cut off flowing water and seal active leaks.

**Ideal Repair Applications**
- Tiebacks
- Pipe penetrations
- Flowing water leaks

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**Swellseal® WA Properties:**
- Single component hydrophilic polyurethane
- 200% Expansion in water
- Withstands pressures in excess of 330 ft. of head pressure
- Good chemical resistance
- Tenacious bond to wet and dry surfaces
- Conforms to the shape of the interlock
- Does not hinder the removal of sheet piles

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**Swellseal® WA PRODUCT PROPERTIES**

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<th>UNCURED</th>
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<tbody>
<tr>
<td><strong>Solids</strong></td>
<td>100%</td>
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<tr>
<td><strong>Viscosity</strong></td>
<td>Paste</td>
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<tr>
<td><strong>Density</strong></td>
<td>1.45</td>
<td>ASTM D-3574-95</td>
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<tr>
<td><strong>Flash point</strong></td>
<td>&gt;266° F</td>
<td>ASTM D-93</td>
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<tr>
<th>CURED</th>
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<tr>
<td><strong>Elongation at break</strong></td>
<td>625%</td>
<td>ASTM D-3574-95</td>
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<tr>
<td><strong>Tensile Strength</strong></td>
<td>Approximately 312 psi</td>
<td>ASTM D-412</td>
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Withstands head pressures in excess of 330 ft.
INSTALLATIONS

PACKAGING

SWELLSEAL® WA

• 10.5 ounce Tubes
• 20 ounce Sausage

LOCAL DISTRIBUTOR

Waterproofing the WORLD

DE NEEF CONSTRUCTION CHEMICALS
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