**SealBoss® 1640 Dry & Wet Applications**

- Leak Seal, Void Filler, Stabilizer
- Undersealing of Structures

**Product Description**

*SealBoss® 1640* is a closed cell, two-component, non-shrink polyurethane foam with structural properties. This MDI (methylene-diphenyl-isocyanate) based product is 100% solvent free and 100% solids. The product starts to react when mixed and does not need moisture from external sources for the reaction. *SealBoss® 1640* expands up to eight times forming a closed cell structure and cutting down the material consumption drastically. The cured foam offers limited structural strength combined with increase in volume and excellent bonding properties on dry and with limitations on wet surfaces.

*SealBoss® 1640 S* is designed to fill voids in soil and stone, brick or concrete structures for the purpose of waterproofing as well as regaining certain structural strength. The excellent combination of hardness and flexibility qualifies *SealBoss® 1640* for use in areas where structural strength and moderate flexibility are desired.

The expanding and compressive strength qualities of *SealBoss® 1640 Structural Strength SlabLifter™* make it a price competitive alternative for the filling of voids and ‘pockets’. The structural strength of the foam product is highly correlated to the expansion rate. *SealBoss® 1640 Structural Strength SlabLifter™* can be applied in dry and wet areas. Additional moisture may increase the expansion. The standard mixture expands approximately six times in volume. Job site testing is recommended to determine product suitability. To achieve most satisfying and permanent results in certain applications, a combination of *SealBoss® 1640* with other systems of our product line may be advised.

*SealBoss® 1640* is not designed to stop high velocity water leaks. To stop active water leaks please refer to *SealBoss® 1510 Water Stop Foam*. Ask your SealBoss® technician for details. The product is for professional use.

**Installation Guidelines**

*SealBoss® 1640 Structural Strength Foam* is a two-component foam system. The mixing ratio is 1:1 (A:B) by volume. Condition the product to room temperature prior to use. The product is also available in bulk.
Technical Properties

<table>
<thead>
<tr>
<th>Components</th>
<th>TEST METHOD</th>
<th>COMP. A</th>
<th>COMP. B</th>
<th>COMP. A/B Mixed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids</td>
<td>100%</td>
<td>100%</td>
<td>280-400 mixed</td>
<td></td>
</tr>
<tr>
<td>Viscosity A/B mixed</td>
<td>ASTM D-2393</td>
<td>280-400 mixed</td>
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<tr>
<td>Specific gravity</td>
<td>ASTM D-1638</td>
<td>1.2</td>
<td>8.68</td>
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<tr>
<td>Weight per gal, lb</td>
<td>by weight</td>
<td>52</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Mix ratio</td>
<td>by volume</td>
<td>50</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

Cured Material

- Density: 4 lbs/ft³
- Compressive strength: 11,520 psf (80 psi) (fully cured)

Physical Properties

- Initial Reaction Time: 5 seconds to 20 seconds (depending on temperature)
- Rise time, minutes: 2–4
- Tack free time: 60 seconds to 240 seconds (depending on temperature)
- Max. Expansion (unconfined): 20 times (2000%)
- Shrinkage: <1% ASTM D-1042 / D-756

Packaging

- Cartridge Systems: 22 oz (650 ml)
- Bulks: 5 gal, 55 gal
- Tote Tanks: 5 gal, 55 gal

Storage

- Corrosiveness: Non-Corrosive
- Appearance: Gold-Yellow

Health and Safety

Protect your health! Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. Always use safety gear in compliance with OSHA and all applicable local and job-site regulations. While working with products, handling of this product may result in spills, splashes, and airborne substances. Wear appropriate safety goggles, gloves and safety clothing at all times. Protect jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals! In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations. Get immediate medical attention as needed.

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