

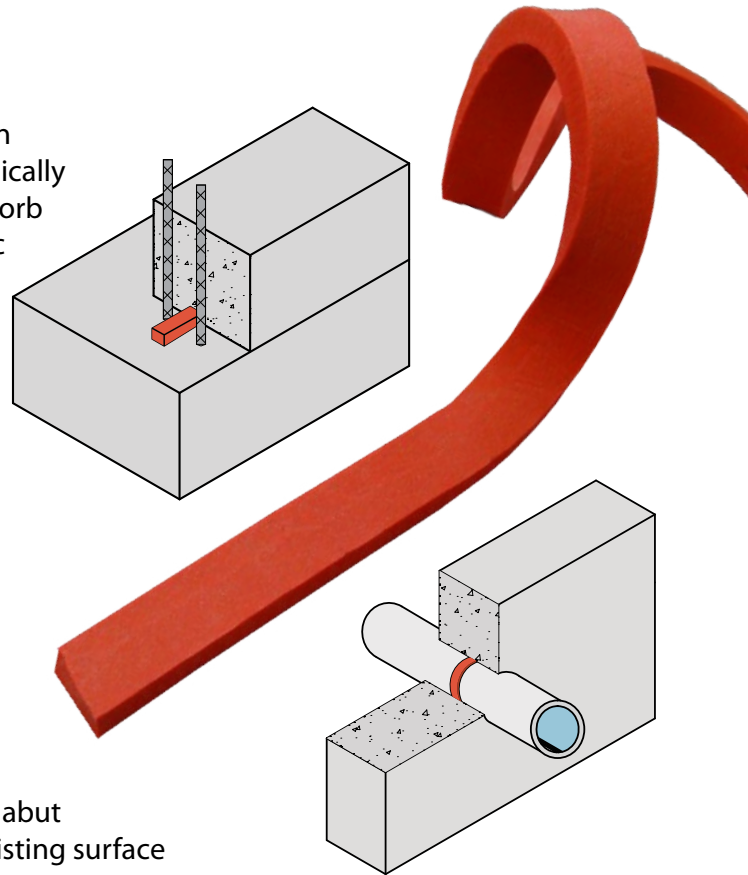


# SIKASWELL A WATERSTOP

## PRODUCT DATA SHEET

**SikaSwell A Waterstop** is a water-swelling acrylate-ester waterstop that provides an active compression seal within concrete joints. SikaSwell A is comprised of flexible, chemically resistant acrylate polymers, with the unique ability to absorb water into their molecular structure, providing volumetric expansion. In contact with water, and some chemicals, SikaSwell A increases in volume without changing the homogenous structure of the polymer matrix.

SikaSwell A reacts with water in a controlled and reversible manner to provide and maintain a seal against water intrusion and hydrostatic pressure. As swelling pressure rises, SikaSwell A forms an exact seal with the surrounding surfaces and prevents water intrusion. A joint width up to 5mm can be sealed with SikaSwell A against head pressure up to 150 ft. STUVA testing of suitability is available upon request.



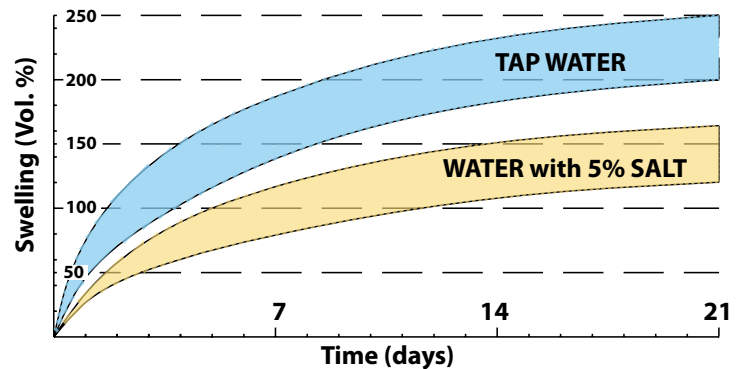
### Field Applications Include:

- New construction joints where two concrete surfaces abut
- Retrofit applications where new concrete abuts an existing surface
- Wall or slab penetrations for metal, plastic and concrete pipes

### Typical Structures Include:

- Foundations
- Water and wastewater treatment facilities
- Potable water tanks
- Sewer pipes and manholes
- Tunnels
- Dams
- Parking garages
- Precast concrete members

### SWELLING CURVE



### AVAILABLE SIZES AND PACKAGING

Cat. No.	Width x Thickness x Roll Length	Rolls/Box	Box Qty.
2005	20mm (.79") x 5mm (.20") x 20m (65.6 ft.)	6	120m (394 ft.)
2010	20mm (.79") x 10mm (.39") x 10m (32.8 ft.)	6	60m (197 ft.)
2520	25mm (.98") x 20mm (.79") x 5m (16.4 ft.)	6	30m (98 ft.)

## STANDARD INSTALLATION



1. Use a brush, compressed air, or other suitable means to remove dust, laitance, or any surface contaminants. SikaSwell A Waterstop may be installed on damp surfaces, but standing water should be removed. A dry surface is preferable.
2. SikaSwell A Waterstop can be adhered to the substrate with Sika's MK Adhesive, which is available in 310ml (10.3 oz.) cartridges.
3. Apply the MK Adhesive with a suitable hand-held caulk gun. For large jobs and ease of application, pneumatic guns or mechanical guns are suggested.
4. Puncture the seal at the nozzle end of the cartridge.
5. Cut the nozzle at an angle to produce the desired bead size (5mm minimum).
6. Screw the nozzle onto the cartridge and insert the cartridge into the caulk gun.
7. Direct caulk gun along the surface at an angle of 45° extruding the adhesive evenly and firmly pressing the adhesive bead against the substrate. Do not place the adhesive loosely on the substrate.
8. Firmly press the SikaSwell A profile into the wet adhesive immediately after the adhesive is applied. Do not allow the adhesive to dry before installing the waterstop.

## INSTALLATION ON ROUGH OR UNEVEN SUBSTRATES

1. For rough surfaces, SikaSwell Type E Paste can be used to apply SikaSwell A Waterstop. SikaSwell Type E Paste is a swellable material, more suitable for irregular surfaces.
2. The SikaSwell Type E Paste can be applied with a suitable hand-held caulk gun. For large jobs and ease of application, pneumatic guns or mechanical guns are suggested.
3. Puncture and lift the double layer bottom of the cartridge, remove the pellets.
4. Puncture the opening of the cartridge and free entire cross section.
5. Cut the nozzle diagonally to obtain an opening of 6-10mm and place the cartridge in caulk gun.
6. Direct caulk gun along the surface at an angle of 45° extruding paste evenly and firmly pressing the paste bead against the substrate.
7. Immediately press SikaSwell A Waterstop firmly into the paste bead.



## LIMITATIONS, PRECAUTIONS AND CONSIDERATIONS

- SikaSwell Type A Waterstop should not be placed in standing water.
- Maintain a minimum 2-1/2" concrete coverage over SikaSwell A when using 3500 psi or greater compressive strength concrete.
- For exposure to liquids other than water, consult Vinylex Waterstop & Accessories.
- SikaSwell Type A Waterstop should not be used for movement joints.
- Review Product Data Sheets for complete application instructions for MK Adhesive and SikaSwell Type E Paste.

WARRANTY: VINYLEX WATERSTOP & ACCESSORIES warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. VINYLEX WATERSTOP & ACCESSORIES SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

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3400 Tree Court Industrial Boulevard St. Louis, MO 63122  
Tel: 800.325-3602 Fax: 866.624-2049 [www.VinylexWaterstop.com](http://www.VinylexWaterstop.com)