



CONCRETE ACCESSORIES

Sika[®] Hydrotite

HYDROPHILIC WATERSTOPS

BUILDING TRUST
CONSTRUIRE LA CONFIANCE



THE BENCHMARK FOR EXPANDABLE WATERSTOPS

Sika® Hydrotite

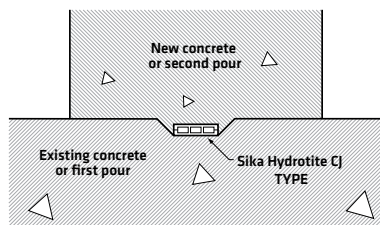
Sika® Hydrotite IS A STATE-OF-THE-ART HYDROPHILIC WATERSTOP with unmatched durability and watersealing capacity. Comprised of NON-BENTONITE, modified chloroprene rubber, Sika® Hydrotite expands up to EIGHT (8) TIMES its original volume when exposed to water. This expansion creates an effective compression seal within joints of limited movement. Recognized worldwide, Sika® Hydrotite has a proven track record as a high quality and cost effective solution to your water containment needs.

EXCEPTIONAL QUALITIES TO ENSURE UNPARALLELED PERFORMANCE:

- Comprised of NON-BENTONITE, modified chloroprene rubber
- Outstanding physical properties
- Available as a co-extruded profile to provide directional expansion (also available as a single extrusion)
- Special expansion delay coating to allow concrete cure prior to expansion
- Reliable and durable (lifespan up to 100 years)
- CJ-0725-3K-ADH and CJ-1020-2K-ADH offered with an adhesive back
- Simple, low cost installation
- Available in a multitude of sizes and shapes for numerous applications
- Appropriate for retro-fit as well as new construction
- Can withstand high hydrostatic pressures (150' head for most profiles)
- International acceptance

TYPICAL STRUCTURES UTILIZING Sika® Hydrotite:

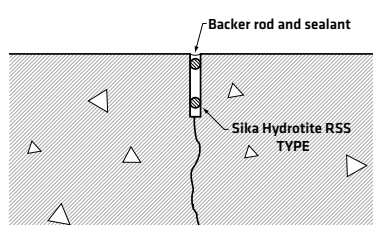
- Water and waste water treatment facilities
- Primary structures
- Tunnels and culverts
- Dams, locks, canals, water reservoirs and aqueducts
- Pipe penetrations
- Swimming pools
- Storage tanks
- Retaining walls
- Foundations
- Slabs on grade



Sika® Hydrotite CJ

A SUPERIOR WATERSTOP FOR CONCRETE JOINT GAPS

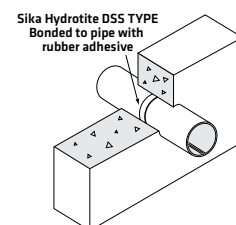
As this innovative product absorbs water and expands, it conforms to gap variations along the joint. This action ensures complete sealing even under extraordinary hydrostatic pressure. Due to its slim profile, it won't project like conventional waterstops and trap air or become displaced by the second pour. The result is optimum concrete placement. Sika® Hydrotite CJ, is treated with a special expansion-delay coating to prevent it from reacting to the fresh, moist concrete and expanding before curing takes place.



Sika® Hydrotite RSS

SEAL FOR SAWED CONTROL JOINTS/ JOINT REPAIRS

Sika® Hydrotite RSS profiles create effective seals in sawed control joints and in the repair of failed joints. Sika® Hydrotite eliminates hydrostatic pressure below the sealant, thus extending the sealant's life. Select solid profiles with slightly larger diameters than the joint width for joints of consistent widths. Hollow profiles should be selected based on the maximum width of joints with varying widths. Compress both profiles slightly on initial insertion.



Sika® Hydrotite DSS

PIPE PENETRATIONS/PIPE THIMBLES

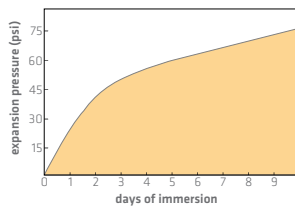
The DSS, DS, SS, RS, and CJ profiles can be bonded to various piping materials, including concrete, steel and plastic. Bond Sika® Hydrotite DSS to the pipe prior to concrete placement. Installation in existing walls requires an oversize cutout be made and Sika® Hydrotite installed both on the pipe and the outside diameter of the cutout. Fill the annulus with a non-shrink grout. Embedded pipe thimbles can also be sealed with Sika® Hydrotite DSS.

PRODUCT INFORMATION

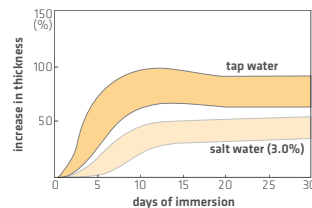
PROPERTIES

Property	ASTM Test Method	Unit	Hydrophilic Rubber		Chloroprene Rubber	
			Minimum	Typical	Minimum	Typical
Tensile Strength	D412	lb/in ²	350	366	1300	1570
Elongation	D412	%	600	670	400	450
Hardness	D2240	Shore A	52+/-5	54	50+/-5	50
Tear Resistance	D624	lb/in	50	60.3	100	123
Specific Gravity	D792		1.32+/-0.1	1.32	1.38+/-0.1	1.38

CHARACTERISTICS



Typical **EXPANSION** pressures of Sika® Hydrotite are shown above.



SWELLING characteristics of Sika® Hydrotite depend on the water quality as typical examples show above.

All Sika® Hydrotite profiles can be adhered with Sika® Hydrotite Adhesive, Leakmaster, SikaDur® Epoxy or SikaBond® Construction Adhesive.

Sika® Hydrotite rings are available in a range of internal diameters to meet varying needs. Sika® Hydrotite hydrophilic rings may be installed wherever a penetration through concrete needs to be sealed. Conduits, pipes, embedded sleeves, concrete wall ties, etc., can all be sealed utilizing Sika® Hydrotite rings.

HYDROPHILIC RINGS			
Profile	Ø "d"	Ø "D"	
GH0611	6	11	
GH0614	6	14	
GH0621	6	21	
GH0624	6	24	

SHAPE AND APPLICATION

FOR CONSTRUCTION JOINTS

ITEM	NOMINAL SIZE mm (in)	PACKAGING UNIT m/roll x rolls (ft/box)
CJ-0725-3K	H 7 (.28) W 25 (.98)	10 m x 4 (131)
CJ-0725-3K-ADH	Same as above with pressure sensitive adhesive backing	
CJ-1020-2K	10 (.39) 20 (.79)	10 m x 5 (164)
CJ-1020-2K-ADH	Same as above with pressure sensitive adhesive backing	
CJ-1030-4M	10 (.39) 30 (1.18)	10 m x 4 (131)
CJ-3030-M	30 (1.18) 30 (1.18)	10 m x 1 (33)

FOR PIPE PENETRATIONS, CONCRETE CURBS, TUNNEL LINING SEGMENTS

ITEM	NOMINAL SIZE mm (in)	PACKAGING UNIT m/roll x rolls (ft/box)
SS-0215	H 2 (.08) W 15 (.59)	25 m x 4 (328)
SS-0220	2 (.08) 20 (.79)	25 m x 4 (328)
SS-0320	3 (.12) 20 (.79)	25 m x 4 (328)
RS-0520-3.5I	5 (.20) 20 (.79) h3.5 (.14)	20 m x 5 (328)
RS-0723-3.5I	7 (.28) 23 (.91) h3.5 (.14)	15 m x 4 (196)
DS-0420-2.5I	4 (.16) 20 (.79) h2.5 (.10)	20 m x 5 (328)
DS-0520-3.5I	5 (.20) 20 (.79) h3.5 (.14)	20 m x 5 (328)
DS-0615-4.5I	6 (.24) 15 (.59) h4.5 (.18)	15 m x 5 (245)
DSS-0320	3 (.12) 20 (.79)	25 m x 4 (328)
DSS-0420	4 (.16) 20 (.79)	25 m x 5 (328)

FOR JOINT REPAIR, CONTROL JOINTS, SPECIAL APPLICATIONS

ITEM	NOMINAL SIZE mm (in)	PACKAGING UNIT m/roll x rolls (ft/box)
RSS-1610 D	D 16 (.63) B 10 (.39)	10 m x 2 (65)
RSS-2014 D	20 (.79) 14 (.55)	10 m x 2 (65)
RSS-0806 C	8 (.31) 6 (.24)	20 m x 5 (320)
RSS-1007 C	10 (.39) 7 (.28)	20 m x 3 (196)
RSS-1209 C	12 (.47) 9 (.35)	20 m x 2 (131)
RSS-1410 C	14 (.55) 10 (.39)	15 m x 2 (98)
RSS-040 P	4 (.16) -	20 m x 10 (656)
RSS-050 P	5 (.20) -	20 m x 10 (656)
RSS-060 P	6 (.24) -	20 m x 10 (656)
RSS-080 P	8 (.31) -	20 m x 5 (320)
RSS-120 P	12 (.47) -	20 m x 2 (131)
RSS-140 P	14 (.55) -	15 m x 2 (98)
RSS-160 P	16 (.63) -	10 m x 2 (65)

SIKA SOLUTIONS FROM ROOF TO FOUNDATIONS

Roofing Systems



Sarnafil®
Sikaplan®
Sikalastic®

Concrete Production



Sika® ViscoCrete®
Sika® Retarder®
Sika® AER^{CA}

Joint Sealing



Sikaflex®
Sikasil®
Sikadur® Combiflex

Grouting and Anchoring



SikaGrout®
Sikadur®
Sika AnchorFix®

Concrete Repair & Protection



Sika® MonoTop®
SikaTop®, SikaRepair®
Sikagard®

Structural Strengthening



Sikadur®, Sika® CarboDur®
SikaWrap®
Sika® CarboShear

Floor & Wall Systems



Sikafloor®
Sikagard®
Sikagard® Duroplast

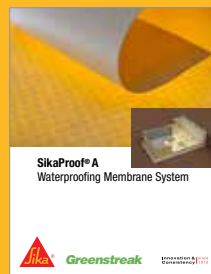
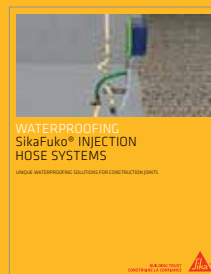
Waterproofing Systems



SikaProof®, SikaFuko®
Sika® Greenstreak®
SikaSwell®, SikaFix®

Sika Canada Inc., a member of the Sika Group, is a leader in the field of speciality chemicals for construction and manufacturing industries. Our product lines feature high quality roofing systems, concrete admixtures, mortars and resins, sealants and adhesives, structural strengthening components, industrial and decorative flooring, as well as protective coatings and waterproofing systems. Our expertise is borne out of a global presence and served by strong, local support. Sika has earned the trust of our customers for over 100 years, by delivering the highest standards of commitment and partnership.

Also Available:



The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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