

Physical Properties

Appearance Blue strips (coiled)	Flash Point Exceeds 350°F (ASTM D-92)	Solids By Weight 99.9%
Cone Pen Viscosity 205-115 (ASTM D92)	Flow @ 140° F No flow, slump or loss of adhesion	Specific Gravity @ 77° F (25°C) 1.6 (ASTM D-271)
Elongation (Initial) 216%		

Description

SF312 - SYNKO-FLEX® WATERSTOP FR is a preformed adhesive waterstop designed to control the ingress and egress of hydrocarbons and containing liquids at the control joints between concrete to concrete and concrete and dissimilar products. This product is an N.B.R. compound with polypropylene resins and other solvent resistant elastomers and plasticizers.

Features:

- Excellent chemical resistance (see Chemical Resistance Table).
- Easy to use.
- Eliminates split forming, wiring to rebar, heat welding of splices.
- Unaffected by rain or wet conditions during installation.
- Bonds to most all substrates.
- Unaffected by cyclic wetting and drying.

Chemical Resistance Table

Immersion Testing

SF312 - SYNKO-FLEX® WATERSTOP FR will have the following typical results when exposed to the following medias when submerged:

Material	Solution Concentration	Results
Gasoline	100%	Slight Swell
Jet A Fuel	100%	Slight Swell
JP-4 Fuel	100%	Slight Swell
Kerosene	100%	Slight Swell
Motor Oil	100%	No Effect
Transmission Fluid	100%	Slight Swell
Brake Fluid	100%	Very Slight Swell

Usage

SF312 - SYNKO-FLEX® WATERSTOP FR is designed to provide a watertight seal of cold joints in a wide range of concrete structures where there is good potential for exposure to hydrocarbon liquids, including; residential and commercial basements, secondary containment structures, highway tunnels, concrete lined storm drainage and irrigation channels, pedestrian tunnels and below-grade walkways, below-grade parking garages, and wastewater treatment plants. **SF312 - SYNKO-FLEX® WATERSTOP FR** may also be used to seal around concrete, steel, PVC or HDPE pipe penetrations through concrete walls or floor slabs. **SF312 - SYNKO-FLEX® WATERSTOP FR** is also ideal for use as a joint sealant on precast structures such as box culverts, septic tanks and utility vaults.

Coverage

Coverage 100 ft.

Packaging -

No. coils/ carton 6 strips

Lineal ft./ carton100 ft.

Application

Positioning

SF312 - SYNKO-FLEX® WATERSTOP FR is generally positioned in the center of the joint. It may be placed at the bottom of a keyway, if a keyway is incorporated into the joint design. However, a keyway is not required for the use of **SF312 - SYNKO-FLEX® WATERSTOP FR**. Two inches of concrete coverage is recommended.

Leaving the silicone release paper in place, begin uncoiling **SF312 - SYNKO-FLEX® WATERSTOP FR** while pressing the strip firmly onto the concrete surface throughout the entire length of the strip. Tightly butt ends together at splices. Alternatively, ends may be spliced together with a 1-inch side lap if space permits. (Remember 2 inches of concrete coverage is required). Remove the release paper and pour concrete directly against the **SF312 - SYNKO-FLEX® WATERSTOP FR**. The waterstop sealing system is complete when the fresh concrete cures.

Limitations:

SF312 - SYNKO-FLEX® WATERSTOP FR is designed for use in non-moving joints. Contact manufacturer regarding specific applications where joint movement may be expected.

Product Sizes

NON SIZE ITEM

6 (.5inx1.125inx16.67ft) COILS (32

Limited Warranty

Specifications and other information contained herein supersede all previously printed matter and are subject to change without notice. All goods sold by the seller are warranted to be free from defects in material and workmanship. The foregoing warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether expressed or implied by operation of law or otherwise, including, but not limited to any implied warranties of merchantability or fitness. Seller shall not be liable for incidental or consequential losses, damages or expenses, directly or indirectly arising from the sale, handling or use of the goods, or from any other cause relating thereto, and seller's liability hereunder in any case is expressly limited to the replacement (in the form originally shipped) of goods not complying with this agreement or at seller's election, to the repayment of, or crediting buyer with, an amount equal to the purchase price of such goods, whether such claims are for breach of warranty or negligence. Any claim by buyer with reference to the goods sold hereunder for any cause shall be deemed waived by buyer unless submitted to seller in writing within thirty (30) days from the date buyer discovered or should have discovered any claimed breach.