



Indiana Sealants & Adhesives

Technical Data Sheet

EX221 Fuel Resistant Sealant

Revision Date: 1/29/2024

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

EX221 - 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

EX221 - 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
Diesel	100%	No Degradation

Usage

EX221 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. **EX221** may also be used to seal around concrete, steel, PVC or HDPE pipe penetrations through concrete walls or floor slabs. **EX221** 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./ carton 100 ft.

Application

Positioning

EX221 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 **EX221**. Two inches of concrete coverage is recommended.

Leaving the silicone release paper in place, begin uncoiling **EX221** 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 **EX221**. The waterstop sealing system is complete when the fresh concrete cures.

Limitations:

EX221 is designed for use in non-moving joints. Contact manufacturer regarding specific applications where joint movement may be expected.

Caution

CAUTION: May cause eye irritation.

WARNING: This product contains detectable amounts of chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

EMPLOYERS should obtain a copy of the **Material Safety Data Sheet (MSDS)** from your supplier or directly from Inseal at the toll free number or website below.

Product Size

NON SIZE ITEM (0.75 lb)

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

Limited Warranty

LIMITED PRODUCT WARRANTY AND LIABILITY DISCLAIMER

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product- such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to have a material defect within 12-months of purchase, provided it has been applied in accordance with our written directions for uses we recommend as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY: THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL HAVE NO LIABILITY OF ANY KIND BEYOND PRODUCT REPLACEMENT, INCLUDING FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECTS OR ANY DELAYS CAUSED BY REPLACEMENT OR OTHERWISE. IF**

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