

Integrated Polymer Industries, Inc.  
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**IR-200 IPI-Instarubber™**

**Two-part, RT-Cure, Zero-VOC, Black Flexible Polymer for Elastomeric Repairs**  
*Conveyor belts, rubber tools, equipment, and/or surfaces; concrete joints, impact absorbers,  
 and many other applications requiring flexible materials for repairs*

Ref: 287904 01/15/2012

**Physical Properties, Typical**

Property	Component		Mixed	Comments
	Base	Solidifier		
<b>Appearance</b>	Motor oil thick, amber, clear liquid	Motor oil thick, black liquid	<b>Black liquid; brushable in the first 30 minutes, ever thickening paste in the next 30 minutes.</b>	If a nonsag-paste is required for vertical applications, simply wait out the first 30 minutes after mixing and when the desired consistency is reached, start applying the product.
<b>Cure time @75°F ambient temperature</b>				
<b>Potlife</b>	N/A	N/A	60 min @ 55F 40 min @ 65F 20 min @ 75F	Avoid mixing more than can be applied within material's potlife.
<b>Dry to touch</b>	N/A	N/A	3 hours	
<b>Mechanical Cure</b>	N/A	N/A	Overnight (12+h)	
<b>Full Chemical Cure for Immersion</b>	N/A	N/A	3 days	
<b>Mix Ratio, by weight</b>	1	1.3	N/A	
<b>Packaging, grams</b>	197	257	454	

Specifications subject to change without notice.

**FEATURES & BENEFITS OF IPI-INSTARUBBER™**

**CASTING**

IPI-INSTARUBBER™ is excellent for casting parts in open molds made from steel, aluminium, polypropylene, polyethylene, or IPI-INSTARUBBER. IPI-Release Aid™ must be used on all surfaces where IPI-INSTARUBBER™ is not required to bond.

**CONVEYOR BELTS**

Prepare the conveyor belt and ready all ingredients before mixing IPI-INSTARUBBER™. BASE AND SOLIDIFIER should be warmed to 65-85F for best mixing and handling. Application areas should extend a minimum of 3" / 76.2mm beyond the repair area. Remove damaged rubber by cutting with a sharp knife. Introduce undercuts to improve mechanical interlocking at the bondline. Wipe the repair area with IPI-BioSol™ first with a paper towel and then with an abrasive pad soaked with IPI-BioSol™. Wipe area again until no black color transfers to the paper towel. Allow to dry. Mix IPI-INSTARUBBER™ according to the directions in the Application Data Bulletin. Apply mixed IPI-INSTARUBBER™ onto the damaged area of belt at a thickness of about 1/32" (0.8mm) and allow to cure for 12 hours before returning belt to light service.

### **SLURRY PUMPS**

IPI-INSTARUBBER™ can be used to repair damaged linings of slurry pumps thereby saving tremendous investments in time, money and energy by making replacement unnecessary. Just as useful, however, is lining brand new pump casings before they go into service to at least double their useful life, if not more. The damaged areas or new surfaces are roughened by rotary wire brushes. These areas are then cleaned and degreased prior to application of IPI-INSTARUBBER.

### **INSTANT GASKETS AND SEALS**

In those areas where metallic pipes meet concrete or other metal structures, high vibrations generated by pumps cause loosening of the bolts and mating faces rendering the seals and gaskets useless and sometimes dangerous. Whilst the cause of the problem must still be tackled by the maintenance engineer, the symptoms can easily, cost efficiently, and permanently be corrected using IPI-INSTARUBBER™. Instant seals and gaskets can be prepared on steel flanges in a few simple steps.

### **FLANGES**

The flanges shall be cleaned, roughened and conditioned according to directions above. Release agent is applied to both mating surfaces. IPI-INSTARUBBER™ is then applied within its potlife to both mating surfaces separately. After 15 minutes, these surfaces are put back together and secured in place by hand tightened bolts. After a minimum of six hours, these bolts are tightened to produce a complete seal which shall minimize the effect of vibration. Use of reinforcement tape will strengthen the gasket and is highly recommended.

**Warranty Disclaimer:** *There is no warranty, expressed or implied, as to the fitness of any product for any particular purpose; nor as to anything else unless contained on the face hereof. We give no warranty, express or implied, as to merchantability, fitness for purposes sold, description, quality, productiveness, or any other matter, of any product sent out and will be in no way responsible for the outcome of the application of the product. Seller does not warrant any of the product specified herein to meet the requirements of any code of any state, municipality or other jurisdiction. Purchaser hereby waives the right of refusal and return of the goods that is usually connected with the non-warranty. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. SELLER DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND BUYER AGREES THAT THE GOODS ARE SOLD "AS IS." Since quality of substrate, storage, handling, mixing, applying, curing, and service conditions are beyond the manufacturer's control, the manufacturer can assume no liability. Use at your own risk.*

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