

## POLYURETHANE SEALANT

# REISFLEX PU-40®

### PRODUCT

**ReisFlex PU-40®** is a monocomponent adhesive sealant of polyurethane with ultraviolet (UV) protection. It is developed for sealing several items of either constructions or fabrications which are subject to structural movements. Its appearance is of resistant and flexible rubber.

### SEGMENTS OF USE

**ReisFlex PU-40®** was developed to seal control joints, expansion joints or caulking, on segments such as:

- Civil and naval constructions
- Automobile industries
- Slaughterhouse facilities
- Aluminum truck bodies
- Railroad cars
- Frames (aluminum, wood, metal and plastic)
- Expansion joints, pre-molded walls and reservoirs
- Bathroom toilets

### APPLICATIONS

For good adherence and satisfactory results, the surface to which **ReisFlex PU-40®** is to be applied should be free of dust, contaminants and dirt (grease, oil, silicones).

**ReisFlex PU-40®** accepts paint after total cure.

Limitations of Application: It should not be applied on frozen surfaces or with water, also should not be applied on silicones.

### SPECIFICATION

**ReisFlex PU-40®** meets and exceeds the performance requirements of:

ASTM C920 Types, Grade NS Class 25

Fed. Spec. TT-S-00230C type II Class A

(Flexibility and accommodation of 50% in the joints)

AAMA 808.3-92 (Exterior Perimeter Sealant Compound)

### CHARACTERISTICS AND PERFORMANCE

Chemical Composition	POLYURETHANE
Physical State	Thixotropic Paste
Package	Tube: 310 mL or Sachet 400/600 mL
Colors	Black, White, Gray
Yield 1 tube 310 mL	3 m linear in joint of 1 cm x 1 cm
Resistance	Water, gasoline, diesel

### PHYSICAL PROPERTIES AND TEST METHODOLOGY

CHARACTERISTICS	RESULTS	METHODOLOGY OF TESTS
% Solids	Min. 97%	
Adhesion	15-25 pli	TS-S 0023C (COM-NBS)
Tension	300 psi (20.7 N/mm <sup>2</sup> )	
Elongation	600% to 700%	ASTM (D-412)
Thixotropic	Positive	TS-S 0023C (COM-NBS)
Hardness (Shore A)	40	TS-S 0023C (COM-NBS)
Work Temperature	-40 F to 200 F (-40C to 93.33C)	
Water Resistance	Positive	TS-S 0023C (COM-NBS)
Dry to the touch	45 min to 1 hour	
Normal cure	1 to 2 hours	
Curing Time	24 to 48 hours	R.H.

### VOLATILE ORGANIC COMPOUND

V.O.C.	CONTAINS
Tube 310 mL	0.293 g/L
Sachet 600 mL	0.586 g/L

### CLEANLINESS AND SAFETY

Avoid contact with eyes and skin. In case of contact with the eyes, wash immediately with abundant water and consult a doctor. Keep out of reach of children and animals.

### STORAGE

**ReisFlex PU-40®** should be stored in a dry and ventilated location at a temperature below 77 F (25C).

**Cleaning:** The tools should be cleaned with solvents.

**Expiration:** 12 months from the date of manufacture in unopened package.

**Reis e Reis Indústria e Comércio Ltda**

Rua Wilton Reis Costa, 220 - Cond.Ind. Eldorado

São José dos Campos / SP CEP 12238-574

Fone/Fax: (12) 3966-9977

e-mail: [vendas@reisereis.com.br](mailto:vendas@reisereis.com.br)

Home-page: [www.reisereis.com.br](http://www.reisereis.com.br)

*Our technical advice concerning the application of the product is made verbally, in writing and through demonstration depending on the interest of the customer.*

*It should be noted that the application of the product is a precision process and when it is not applied by Reis e Reis, the company disclaims any responsibility; therefore, the responsibility is that of the customer. Regarding the storage and use of the product, any resulting change in its properties will be the complete responsibility of the customer.*

*The liability of Reis e Reis will be limited to any damage or loss in value of the goods supplied by the company and used by the customer. We guarantee the unquestionable quality of our products in accordance with our terms of sale and supply.*