

SUBMITTAL RECORD _____
JOB _____
LOCATION _____
SUBMITTED TO _____
SUBMITTAL PREPARED BY _____
APPROVED BY _____
DATE _____



Specification Form RPG Solvent Based Insulation Adhesive

DESCRIPTION

Duct liner is typically attached to duct walls by two fastening methods; one with mechanical fasteners and the other with adhesive. Mechanical fasteners are utilized to prevent delamination of the liner while adhesives bond the liner to the metal ensuring that air flow can not intrude between the two materials. The choice of an adhesive is affected by several factors some of which are; the method of application, acceptable dry time, solvent type.

RPG is a synthetic elastomer solvent based insulation adhesive and provides excellent tack and quick grip. It may be used for bonding low and high density duct liner or wrap to the interior or exterior of metal ductwork. RPG may be applied by spray, brush or roller.

FEATURES

- Can be applied by Spray, Brush or Roller
- Quick Tack & Grip of Insulation
- High Solids Content

TYPICAL PROPERTIES

Type: Synthetic Elastomer Rubber
Solids: 30% \pm 2%
Weight: 6.4 lbs. \pm .5 lbs./gal.
Color: Red
Odor: Mild
VOC: 536 gms./ltr.
Viscosity: 2000-3500 CPS. #3 Spindle, 20 RPM @ 77°F
Flammability: Flammable
Effect of Freezing: None
Storage Life: 6 Months at 70°F
Clean With: Chlorinated Solvent or Xylol
Method of Application: Spray, brush or roller. As a general practice, it is advisable that liquid products be stirred before use.



Underwriters Laboratories, Inc.
Classified Adhesive 327U

Flame Spread 10
Smoke Developed 25

RELATED SMACNA RECOMMENDATIONS*

7.4 Installation Standards For Rectangular Ducts Using Flexible Liner

S2.3 Each layer of duct liner shall be attached with 90 percent coverage of adhesive at the liner contact surface area.

S2.4 All transversely oriented edges of liner not receiving metal nosing shall be coated with adhesive. Liner shall be neatly butted without gaps at transverse joints and shall be coated with adhesive at such joints before butting.

S2.6 Ducts with interior widths of 8 in. (203 mm) or less do not require mechanical fasteners in addition to adhesive.

**From SMACNA HVAC Duct Construction Standards Metal and Flexible • Third Edition • 2005*

| ITEM# | CODE | DESCRIPTION |
|-------|--------|----------------------|
| 5047 | RPG-1 | RPG - 1 Gallon Pail |
| 5048 | RPG-5 | RPG - 5 Gallon Pail |
| 5049 | RPG-55 | RPG - 55 Gallon Drum |

SUGGESTED SPECIFICATIONS

All metal duct shall be lined according to SMACNA HVAC Duct Construction Standard. Each layer of duct liner shall be attached with 90% coverage of adhesive at the liner contact surface area. Adhesive shall be UL classified for surface burning characteristics. Adhesive shall be RPG as manufactured by Duro Dyne Corporation.

| | | |
|--|--------------|-------------------|
| Duro Dyne East Division, Bay Shore, NY | 631-249-9000 | Fax: 631-249-8346 |
| Duro Dyne Midwest Division, Fairfield, OH | 513-870-6000 | Fax: 513-870-6005 |
| Duro Dyne West Division, Santa Fe Springs, CA | 562-926-1774 | Fax: 562-926-5778 |
| Duro Dyne Canada, Lachine, Quebec, Canada | 514-422-9760 | Fax: 514-636-0328 |
| www.durodyne.com E-mail: durodyne@durodyne.com | | |

©2011 DURO DYNE CORP.
Printed in the USA 2/11
BO005403

