

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 the 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.

PRODUCT FEATURES:

- Can be applied by Spray, Brush or Roller
- Quick tack & grip of insulation
- Hi solids content

PROPERTIES

Type: Synthetic elastomer rubber

Weight: 6.4 ± .5 lbs/gal.

Odour: Mild

Viscosity: 2000-3500 CPS , #3 spindle, 20 RPM @ 77°F

Effect of freezing: none

Clean with: Chlorinated solvent or Xylol

Solids: 30% ± 2%

Colour: Red

VOC: 536 gms/ltr

Flammability: Flammable

Storage life: 6 months @ 70°F

UL classified adhesive 327U

Flame spread 10, Smoke developed 25

As a general practice, it is advisable that liquid products be stirred before use.

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

SUGGESTED SPECIFICATION

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.

EXPRESS WARRANTY

Because we have no control over methods of application or conditions of use, this product is warranted only to have been made of standard commercial grade materials by competent workmen. User shall test the product to determine its suitability for the intended application. This warranty is in lieu of all others, express or implied.