

# WARD ADHESIVE

## Spray-Type Adhesive

AST

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Ward Spray-Type Adhesive is an economical pure polymer water base duct liner adhesive with excellent fire resistance, tack development, and bond strength. It is intended to be used to bond fiberglass and mineral wool duct liner insulation to galvanized steel. It is ideal for high volume spray and coil line operations. It is particle-free, non-clogging and non-skinning for smooth running on spray head, extrusion, or roll coater equipment. Its fine atomization makes it ideal for manual spray applications as well.

Ward Spray-Type Adhesive is solvent free and features an exceptionally mild odor with very low VOC level (total VOC's: 14.4 g/l less water and exempt solvents).

Ward Spray-Type Adhesive is produced under the classification and follow-up service of Underwriter's Laboratories, Inc. and meets ASTM C 916 Type II and NFPA 90A and 90B 25/50 requirements. It contains no asbestos, lead, mercury or mercury compounds.

### Physical Properties

**Color:** White (wet), Translucent (dry)

**Average Weight (ASTM D 1875):** 8.8 lbs/gal (1.05 kg/l)

**Average Non-Volatile (ASTM D 1644):** 38% by volume (40% by weight)

**Bonding Time Range:** 0 to 10 minutes

**Brookfield Viscosity (#3 @ 20 rpm):** 1200 to 3500 cps

**Coverage Range:** 400 to 500 ft<sup>2</sup>/gal (9.8 to 12.3 m<sup>2</sup>/l)

**Drying Time (75°F (24°C) 50 % RH):** Set within 15 minutes, Dry within 3 hours

**Odor:** Wet: Mild/Negligible, Dry: None

**Service Temperature Limits:** -20°F to 200°F (-29°C to 93°C)

**Time to Fiber Tear:** 30 to 60 minutes, 1" Duct Liner

**Wet Flammability (ASTM D 3278):** No flash to boiling, >200°F (93°C)

#### Bond Strength (ASTM C 916) Performance:

@ R.T. 3.0 ± 1.0 pli

@ 95% RH 2.5 ± .05 pli

@ 158° F 2.5 ± .05 pli

90 day, 158° F-Pass, 100% bond fiber failure

#### Surface Burning Characteristics (ASTM E 84):

Flame Spread: 5

Smoke Developed: 0

Coverage Rate: 400 ft<sup>2</sup>/gal (9.8 m<sup>2</sup>/l). Applied to 1/4 in (6.4 mm) inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

JOB NAME: _____	SUBMITTED BY: _____
LOCATION: _____	
ARCHITECT: _____	
ENGINEER: _____	
CONTRACTOR: _____	



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