

## **ITW TACC – M595 ULTRATACK Guide Specification**

### SECTION 233354

#### DUCT LINER ADHESIVE

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. This Section includes duct liner adhesive.

##### 1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Certificates:
  - 1. GREENGUARD Children & Schools.
  - 2. GREENGUARD Indoor Air Quality.
  - 3. SCAQMD (South Coast Air Quality Management District), Rule 1168.
  - 4. California Air District Regulations.
  - 5. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.
  - 6. UL 181B-M.

##### 1.3 REGULARY REQUIREMENTS

- A. SCAQMD (South Coast Air Quality Management District), Rule 1168.
- B. California Air District Regulations.
- C. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

#### PART 2 - PRODUCTS

##### 2.1 MANUFACTURERS

- A. Duct Liner Adhesive:
  - 1. M595 Ultratack manufactured by ITW TACC (Basis of Design).
    - a. 56 Air Station Industrial Park, Rockland, MA 02370.
  - 2. Or equal.

## 2.2 DUCT LINER ADHESIVE

### A. Description:

1. High performance solvent-free duct liner pressure-sensitive adhesive that provides quick tack, no VOCs and no HAPs.
2. Sprayable and non-flammable, offering resistance to heat and moisture, and resistance to aging and oxidation.

### B. Advantages:

1. When cured, impervious to gasoline, oil, grease, weak acids and alkalis.
2. Easily applied.
3. Forms permanent, flexible seal.
4. Highly resistant to effects of temperature changes.
5. Dries to permanently flexible firm.
6. Excellent resistance to aging and oxidation.
7. Good resistance to heat and moisture.
8. Fast tacking.

### C. Physical Properties:

1. Base: Synthetic Polymer.
2. Solvent: Water.
3. Solids: 54.0 +/- 2.0%.
4. Weight/Gallon: 8.67 lbs/gallon.
5. VOC Content: 0 g/L (EPA Method 24).
6. Shelf Life: 6 months, unopened.
7. Viscosity: 2,500-5,000 cps.
8. Open Time: N/A.
9. Dry Time: 24-48 hours.
10. Flashpoint: N/A.
11. Color: White.
12. Coverage 1900 sq ft/gal.
13. Formaldehyde: No urea formaldehyde added during adhesive manufacturing.
14. Meets ASTM C-916 Standard Specification for Adhesive for Duct Thermal Insulation.
15. UL Classified and compliant with ASTM C916 and SCAQMD Rule 1168.

### D. Listed by Underwriters Laboratories Inc.:

1. 181B-M 2R59:
  - a. Classified: Adhesive R-6891 UL 723 Classified (ASTM E-84).
  - b. Surface burning characteristics applied to inorganic reinforced cement board.
  - c. Flame Spread: 5.
  - d. Smoke Developed: 5.
  - e. Tested as applied at a coverage rate of 200 sq ft/gallon. Flash point of liquid adhesive; closed cup; no flash to boiling.

### E. Certification:

1. GREENGUARD Children & Schools Certified.
2. GREENGUARD Indoor Air Quality Certified.

### F. Contributes to LEED and other green building rating system credits:

1. LEED-NC and LEED-CI EQ Credits 3.2 and 4.1, and ID Credit 1.1-1.4.

2. LEED for Schools EQ Credits 3.2 and 4, and ID Credit 1.1-1.4.
3. LEED for Homes MR Credit 2.2 Environmentally Preferable Materials.
4. LEED Core & Shell EQ Credit 4.1 and ID Credit 1.1-1.4.
5. LEED-EB MR Credit 3.
6. CHPS (Collaborative for High Performance Schools) EQ Credit 2.2.
7. Green Guide for Health Care EQ Credit 4.1.
8. NAHB Model Green Home Bldg Guidelines – Sect 7, Global Impact 7.1.3.

### PART 3 - EXECUTION

#### 3.1 APPLICATION, GENERAL

- A. Comply with adhesive manufacturer's written instructions for installation.

#### 3.2 ADHESIVE APPLICATION

- A. Designed to bond low density fiberglass insulation to painted and unpainted surfaces.
- B. It can be sprayed, brushed or roll applied and dries to a permanently flexible film.
- C. Application equipment must have non-corrosive fluid paths and non-shearing pressure/pump systems.
- D. Surfaces should be clean and dry spray, brushed or roll coat onto either the metal surface or the fiberglass and press firmly into place.
- E. Do not apply at temperatures below 40 degrees F or above 100 degrees F.

END OF SECTION 233354