

## **ITW TACC – MH38000 EASY-FLOW Guide Specification**

### SECTION 061122

#### WATER-BASED ADHESIVE

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. This Section includes water-based 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.

##### 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. Water-Based Adhesive:
  - 1. MH38000 Easy-Flow Water-Based Adhesive manufactured by ITW TACC (Basis of Design).
    - a. 56 Air Station Industrial Park, Rockland, MA 02370.
  - 2. Or equal.

##### 2.2 WATER-BASED ADHESIVE

- A. Description:

1. Water-based adhesive formulated for the manufactured housing industry for use in the manufacturing of flooring systems and wall systems.
  2. Allows it to be easily pumped to the workstation through existing gravity feed pumps.
- B. Advantages:
1. Non-flammable.
  2. Pumpable formulation.
  3. Water based formula.
  4. No added formaldehyde.
- C. Physical Properties:
1. Base: Synthetic Polymer.
  2. Weight/Gallon: 9.06 lbs/gallon.
  3. Solvent: Water.
  4. Solids: 61.50%.
  5. VOC Content: 20.20 g/L (EPA Method 24).
  6. Shelf Life: 9 months, unopened.
  7. Viscosity: 7,000-9,000 cps.
  8. Flashpoint: N/A.
  9. Open Time: 40 minutes.
  10. Dry Time: 48-72 hours.
  11. Color: White.
  12. Coverage: 3/8" bead = 174 lineal feet per gallon.
  13. Formaldehyde: No urea formaldehyde added during adhesive manufacturing.
- D. Certification:
1. GREENGUARD Children & Schools Certified.
  2. GREENGUARD Indoor Air Quality Certified.
- E. SCAQMD: Meets SCAQMD, Rule 1168 (less than 250 g/L VOC).
- F. Contributes to LEED and other green building rating system credits:
1. LEED-NC and LEED-CI EQ Credit 4.1
  2. LEED for Schools EQ Credit
  3. LEED Core & Shell EQ Credit 4.1
  4. LEED-EB MR Credit 3
  5. CHPS® (Collaborative for High Performance Schools) EQ Credit 2.2
  6. Green Guide for Health Care EQ Credit 4.1
  7. 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. Apply a 3/8" bead to clean framing members with hand caulking gun. Where two boards butt on a framing member apply zig-zag bead so adhesive will contact both boards.
- B. Walls: Place board on framing and press firmly into place. Use fasteners 16" on center around perimeter of board. **NO FASTENERS REQUIRED IN THE FIELD OF THE BOARD.**
- C. Ceilings: Application is the same as for walls except use fasteners 24" on center in the field of the board when hung parallel to framing. Use only one fastener in the center of the board per framing member when hung perpendicular to framing.
- D. Foamboard: To install insulation foamboard apply 3/8" bead to face of board 3" from edge. Space vertical beads 8" to 10" apart. Press board firmly into place. To install gypsum board over foamboard, apply adhesive in the same manner. Nail 16" on center at top and bottom.
- E. Use only after careful consideration of the warnings, directions, and first aid instructions given. Do not apply adhesive more than 30 minutes before installing drywall.
- F. Store at room temperature. Before using, store adhesive at temperatures of 70°F to 80°F for 24 hours. Do not apply at temperatures below 40°F. Do not permit installation to go below freezing for a minimum of 24 hours after application.
- G. Must have at least one porous surface.
- H. Not for use with FRP panels.
- I. Clean-up: When dry, mineral spirits, exercising safe practices.

END OF SECTION 061122