

TECHNICAL DATA REPORT

Mean Green Aggressive Tack High Solids HVAC Contact Adhesive

Part Number: **MGA-1** | Recommended Use: Primarily designed for bonding fiberglass duct liner (1.5 lb to 3 lb density) to galvanized steel and aluminum in HVAC fabrication.

1. Product Overview & Key Features

Mean Green is a high-performance, aggressive tack adhesive engineered specifically for demanding HVAC insulation applications. It features a high solids content for superior coverage and exceptional bonding strength with minimal shrinkage. Utilizing a fast-evaporating solvent system, it achieves instant contact bonds and provides excellent thermal stability across a wide service temperature range.

Compliance and Performance Highlights

- Aggressive, Immediate Tack for fast and reliable bond formation.
- Formulated with **High Solids** for superior coverage and reduced material shrinkage.
- Distinct **Green Color** for Visual Quality Control (QC), ensuring 100% coverage.
- Certified Service Temperature Range: **-40°F to 212°F (-40°C to 100°C)**.
- Excellent adhesion to fiberglass duct liner, galvanized steel, and aluminum.
- Fast-evaporating solvent system requires only 30–60 seconds flash time.

2. Technical Data

Physical & Chemical Properties	
Adhesive Base/Resin System	Synthetic Elastomer / Resin
Color/Appearance	Green Aerosol Spray
Solvent Type	Flammable Solvent (Acetone, Heptane)
Solids Content	High Solids (MGA-1)
VOC Content	Extremely High (Aggressive Solvent-Based)
Service Temperature Range	-40°F to 212°F (-40°C to 100°C)

Application & Performance Metrics	
Recommended Application Temperature	60°F to 90°F (15°C to 32°C)
Flash Time (Required Wait Time)	30–60 seconds (Wait before mating surfaces for permanent bond)
Cure Time (Full Strength)	Instant (Upon firm mating of tacky surfaces)
Cleanup Solvent	Vapco 1-Elliot Adhesive Remover / Acetone
Estimated Peel Strength	Data Not Specified

MATERIAL INCOMPATIBILITY WARNING: Do not use Mean Green Aggressive Tack High Solids Contact Adhesive on Polystyrene, Styrofoam, or any EPS/XPS foam, as this aggressive solvent formula will dissolve the material.

3. Safety Data Sheet (SDS) Summary

Hazard Identification (GHS Classification)	
Signal Word	Danger
Physical Hazards (H-codes)	H222: Extremely flammable aerosol. H280: Contains gas under pressure; may explode if heated.
Health Hazards Summary (H-codes)	H315 (Skin irritation), H319 (Serious eye irritation), H335 (Respiratory irritation).
Reproductive Toxicity Classification	Not classified in SDS summary.
California Prop 65 Warning	Not identified in SDS summary.

Handling, Storage, and First Aid	
Storage Temperature Limit	Do not expose to temperatures exceeding 50 °C / 122 °F. Protect from sunlight.
Key Safe Handling Precautions	Do not spray on open flame. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling.
First Aid (Ingestion) Instructions	May be fatal if swallowed and enters airways (Aspiration Hazard). DO NOT induce vomiting. Immediately call a Poison Center or physician.

4. Frequently Asked Questions (FAQs)

Q: What is the primary use of Mean Green adhesive?

A: Mean Green is an aggressive tack, high solids contact adhesive primarily designed for bonding fiberglass duct liner (1.5 lb to 3 lb density) to galvanized steel and aluminum in HVAC fabrication.

Q: Why is the adhesive a green color?

A: The distinct green color is a feature for Visual Quality Control (QC). It allows applicators to instantly confirm 100% coverage on the substrate, preventing costly skips or missed spots.

Q: What is the certified service temperature range?

A: The certified service temperature range for Mean Green is -40°F to 212°F (-40°C to 100°C), making it suitable for a wide range of operational HVAC temperatures.

Q: How long is the required flash time before bonding?

A: For a permanent contact bond, a flash time of 30–60 seconds is required to allow the fast-evaporating solvents to dissipate before mating the surfaces under firm pressure.

Q: What makes this product a 'High Solids' adhesive?

A: Mean Green is formulated with a high solids content for superior coverage, a thick bond line, and exceptional bonding strength, which greatly reduces material shrinkage upon drying.

Q: What material should this product absolutely NOT be used on?

A: This aggressive solvent-based product must not be used on Polystyrene, Styrofoam, or any EPS/XPS foam, as the solvent will chemically dissolve and damage these materials.
