

Sealed Air – Military Network Requirements

The following requirements must be met to become and remain a Military Foam Fabricator (MFF):

1. SPECIFICATIONS AND PRODUCT STEWARDSHIP

MFFs must have a good working knowledge of the following standards as they apply to Sealed Air foam products:

MIL-STD-648 Design Criteria for Specialized Shipping Containers

MIL-STD-810 Environmental Engineering Considerations and Laboratory Tests

ASTM 4169 Performance Testing of Shipping Containers and Systems

CID A-A-59136 Cushioning Material, Packaging, Closed Cell foam Plank

CID A-A-59135 Cushioning Material, Packaging, Closed Cell foam Sheet

MFFs are expected to maintain the highest level of safety, quality and product stewardship for the products they supply to the military.

2. PROCESS DEVELOPMENT

MFFs must provide engineering personnel with experience in:

Foam fabrication processes per 3.1

Foam packaging design capabilities

Test equipment required per 3.3.2.

3. FABRICATION CAPABILITY

3.1 Fabrication Capability: *Recommended fabrication technology*

Capability for cutting, machining and forming military grade Ethafoam® to a tolerance of 1/32".

It is suggested that the MFFs have access to the following equipment to be able to fabricate to stringent military tolerances:

Programmable CNC 3 or 5 Axis Waterjet - Cutting table 48" x 108"

Programmable CNC 3 or 5 Axis Router - Cutting table 48" x 108"

Compression molding capability

Programmable CNC Vertical wire saw capable of cutting Ethafoam® 900 with cutting table of 48" x 108"

Foam Skiver capability of +/- 1/32" in thickness

Capability to develop fixtures and other accessories needed to maintain the finished part tolerances required by military specifications and drawings.

Heat lamination capabilities up to 8" thick

3.2 Quality & Traceability Management System

3.2.1 Traceability MFFs shall maintain full traceability of all products supplied by Sealed Air. This traceability shall include tracking of the finished part, Sealed Air material lot number, and Sealed Air supplied AA-59136 & <10% LEL certifications. MFFs must provide documentation of this traceability upon request.

3.2.2 Quality MFFs must provide quality fabricated products to the military utilizing an inspection system in compliance with MIL-I-45208, ISO 9001:2000 Quality Management System or higher.

3.3 Inspection/Test Capability

3.3.1 Standard Measuring Equipment

MFFs must have a calibration program for maintaining the inspection measurement equipment necessary to verify manufactured products comply with drawing requirements and specifications. This shall include but not be limited to digital calipers, digital scales, height gauges, etc.

3.3.2 Shock Testing and Analysis

MFFs shall have access to shock testing equipment and be capable of performing shock tests utilizing the appropriate instrumentation for collecting actual impact data. MFFs shall have the capability to analyze the data using statistical methods and make recommendations for design modifications to meet the application requirements.

3.4 Defense Contract Management Agency (DCMA)

MFFs must have a working relationship with the Defense Contract Management Agency (DCMA) (www.dcmamail) and the local DCMA Quality Assurance Representative (QAR).