

WORK ITEM 21: Interior Hull Insulation, Renew

1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to renew the interior hull insulation selected in Table 1.

TABLE 1- HULL INSULATION LOCATION

SELECT	DESCRIPTION	LOCATION	APPROXIMATE SQFT TO BE REPLACED
	Bulkhead or Overhead	Pilothouse	
XX	Entire Space Replacement	Machinery Space	275
		Auxiliary Space	
		Survivor Cabin	

1.2 Government-furnished property.

None.

2. REFERENCES

COAST GUARD DRAWINGS

Coast Guard Drawing 45 RB-M 635-002, Rev C, Insulation Details

COAST GUARD PUBLICATIONS

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2020, General Requirements

OTHER REFERENCES

None

3. REQUIREMENTS

3.1 General.

3.1.1 CIR.

None.

3.1.2 Tech Rep.

Not applicable.

3.1.3 Protective measures. The Contractor must furnish and install all protective measures in accordance with SFLC Std Spec 0000, paragraph 3.3.3 (Vessel component, space, and equipment protection).

3.1.4 Interferences. The Contractor must handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences). Known interferences include, but are not limited to the following:

- Sheathing
- Bulkhead insulation
- Piping
- Electrical wiring

CAUTION

The insulation currently installed in the 45 RB-M engine room and engine room ventilation supply ducts are made up of two layers of fiberglass with a thin layer of lead sheathing in the middle. Lead is a recognized health hazard. Lead may adversely affect the peripheral and central nervous systems, as well as the red blood cells, kidneys, reproductive and endocrine systems.

3.2 Removal. The Contractor must remove the interior insulation and associated fastening hardware selected in Table 1. Refer to Coast Guard Drawing 45 RB-M 635-002 and SFLC Std Spec 0000 for guidance.

3.2.1 Disposal. The Contractor must dispose of all removed materials, in accordance with all applicable Federal, state, and local regulations.

3.3 Substrate inspection - visual inspection. Upon removal of existing insulation, the Contractor must visually inspect the exposed surfaces for corrosion, pitting and any other visible defects. Submit a CFR.

3.4 Installation. The Contractor must install the new insulation in accordance with Coast Guard Drawing 45 RB-M 635-002 and SFLC Std Spec 0000.

NOTE

Lead sheet is no longer authorized for installation.

3.4.1 Engine Room Specific Insulation. The Contractor must renew the engine room insulation as follows:

3.4.1.2 The Contractor must provide all installation material and fasteners:

- Sound attenuation barrier: Pyrotek "Quadzero", P/N 17763007
- Hullboard: Owens Corning 2 inch Foil -Faced "Insul-Quick" insulation.

3.4.1.3 The Contractor must replace up to 20 percent of the welded studs and caps.

3.4.1.3.1 The Contractor must weld all insulation mounting studs.

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3.4.1.4 The Contractor must install the insulation as follows starting at the bulkhead/hull in the following sequence.

- Quadzero
- Insulation Speed Washer
- 2 inch Insul-Quick Hullboard
- Insulation Speed Washer
- Trim Pin (as required)
- Insulation Cap
- Tape all boundaries

4. NOTES

This section is not applicable to this work item.