



TECHNICAL CIRCULAR No. 223 of 23<sup>rd</sup> October 2014

To:	All Surveyors/Auditors
Applicable to flag:	All Flags
Subject:	Procedure for verifying if new installations are asbestos-free
Reference:	SOLAS Convention

**Procedures for verifying new installations are asbestos-free**

On July 1, 2002, the SOLAS Convention implemented the first major ban on new installation of asbestos on newbuilds and existing ships. However, this still allowed some uses of asbestos.

On January 1, 2011, the Convention introduced a total prohibition. All new installations of asbestos on all ships - existing and newbuilds - are now banned.

ROs acting on behalf of flag administrations are expected to verify that materials which contain asbestos are not installed on ships by reviewing asbestos-free declarations and supporting documentation for the structure, machinery, electrical installations and equipment covered by the SOLAS Convention. These reviews are conducted throughout the newbuild process and during annual safety construction and safety equipment surveys.

**Customer Service Center**

5201 Blue Lagoon Drive, 9<sup>TH</sup>. Floor,  
Miami, Fl., 33126  
Tel: 1 (305) 716 4116,  
Fax: 1 (305) 716 4117,  
E-Mail:

[joel@conarinagroup.com](mailto:joel@conarinagroup.com)

**Technical Head Office**

7111 Dekadine Ct.  
Spring, Tx., 77379  
Tel: 1 (281) 370 9363,  
1 (713) 204 6380

E-Mail: [tho@conarinagroup.com](mailto:tho@conarinagroup.com),

[houston@conarinagroup.com](mailto:houston@conarinagroup.com)

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Structure and/or equipment	Component
Propeller shafting	Packing with low pressure hydraulic piping flange Packing with casing Clutch Brake lining Synthetic stern tubes
Diesel engine	Packing with piping flange Lagging material for fuel pipe Lagging material for exhaust pipe Lagging material turbocharger
Turbine engine	Lagging material for casing Packing with flange of piping and valve for steam line, exhaust line and drain line Lagging material for piping and valve of steam line, exhaust line and drain line
Boiler	Insulation in combustion chamber Packing for casing door Lagging material for exhaust pipe Gasket for manhole Gasket for hand hole Gas shield packing for soot blower and other hole Packing with flange of piping and valve for steam line, exhaust line, fuel line and drain line Lagging material for piping and valve of steam line, exhaust line, fuel line and drain line
Exhaust gas economizer	Packing for casing door Packing with manhole Packing with hand hole Gas shield packing for soot blower Packing with flange of piping and valve for steam line, exhaust line, fuel line and drain line Lagging material for piping and valve of steam line, exhaust line, fuel line and drain line
Incinerator	Packing for casing door Packing with manhole Packing with hand hole Lagging material for exhaust pipe
Auxiliary machinery (pump, compressor, oil purifier, crane)	Packing for casing door and valve Gland packing Brake lining
Heat exchanger	Packing with casing Gland packing for valve Lagging material and insulation

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Structure and/or equipment	Component
Valve	Gland packing with valve, sheet packing with piping flange Gasket with flange of high pressure and/or high temperature
Pipe, duct	Lagging material and insulation
Tank (fuel tank, hot water, tank, condenser), other equipments (fuel strainer, lubricant oil strainer)	Lagging material and insulation
Electric equipment	Insulation material
Ceiling, floor and wall in accommodation area	Ceiling, floor, wall
Fire door	Packing, construction and insulation of the fire door
Inert gas system	Packing for casing, etc.
Air-conditioning system	Sheet packing, lagging material for piping and flexible joint
Miscellaneous	Ropes Thermal insulating materials Fire shields/fire proofing Space/duct insulation Electrical cable materials Brake linings Floor tiles/deck underlay Steam/water/vent flange gaskets Adhesives/mastics/fillers Sound damping Moulded plastic products Sealing putty Shaft/valve packing Electrical bulkhead penetration packing Circuit breaker arc chutes Pipe hanger inserts Weld shop protectors/burn covers Fire-fighting blankets/clothing/equipment Concrete ballast

Above table includes all material used (i.e. repaired, replaced, maintained or added) as a working part of the ship. These should be documented with an asbestos-free declaration. Further details may be found on IMO Circular MSC.1/Circ.1426

It is recommended companies to ensure that:

- they have appointed a nominated person responsible for controlling asbestos-containing material on board, in accordance with the guidelines contained in IMO circular MSC/Circ.1045

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1 (713) 204 6380

E-Mail: [tho@conarinagroup.com](mailto:tho@conarinagroup.com),  
[houston@conarinagroup.com](mailto:houston@conarinagroup.com)

- as part of their vessel's Safety Management System, there is a control on new installation of materials, so that they are documented with an asbestos-free declaration, and the documentation is available for audit at initial and annual surveys.

REFERENCES:

- IMO Circular MSC.1/Circ.1426

ATTACHMENTS: No.

Kindest Regards,

Cosmin Bozenovici  
Naval Architect – Conarina Technical Head Office

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5201 Blue Lagoon Drive, 9<sup>TH</sup>. Floor,  
Miami, Fl., 33126  
Tel: 1 (305) 716 4116,  
Fax: 1 (305) 716 4117,  
E-Mail:

[joel@conarinagroup.com](mailto:joel@conarinagroup.com)

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Spring, Tx., 77379  
Tel: 1 (281) 370 9363,  
1 (713) 204 6380

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[houston@conarinagroup.com](mailto:houston@conarinagroup.com)