

Statement

To

From

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Copies

c.f.i.

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Subject**SHIPPING APPROVALS FOR DURAPIPE ABS PIPES AND FITTINGS**

According to IMO guidelines for the application of plastic pipes on ships, (Resolution A.753 (18) of 22.11.93, Durapipe ABS can be used in the following areas:-

1. Machinery Spaces Of Category A

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$
Crude oil washing lines
Vent lines
Inert Gas - water seal effluent lines
Scrubber effluent lines
Main lines
Distribution lines
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

2. Other Machinery Spaces And Pump Rooms

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$
Crude oil washing lines
Vent lines
Inert Gas - water seal effluent lines
Scrubber effluent lines
Main lines
Distribution lines

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Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

3. Cargo Pump Rooms

Vent lines
Inert Gas - water seal effluent lines
Scrubber effluent lines
Cooling water - essential services
Seawater and freshwater non-essential systems
Fresh water - cooling water essential services
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

4. Roll On / Roll Off Cargo Holds

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$
Crude oil washing lines
Vent lines
Inert Gas - water seal effluent lines
Scrubber effluent lines
Main lines
Distribution lines
Foam system
Cooling water - essential services
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Fresh water - cooling water essential services
Condensate return
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

5. Other Dry Cargo Holds

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$
Crude oil washing lines
Vent lines
Inert Gas - water seal effluent lines

Scrubber effluent lines
Main lines
Distribution lines
Fire main and water spray
Foam system
Sprinkler system
Cooling water - essential services
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Fresh water - cooling water essential services
Condensate return
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

6. Cargo Tanks

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$
Crude oil washing lines
Vent lines
Inert Gas - water seal effluent lines
Scrubber effluent lines
Main lines
Distribution lines
Cargo lines for flammable cargo with Flash Point $> 60^{\circ}\text{C}$
Fuel oil
Lubricating oil
Hydraulic oil
Seawater - bilge main and branches
Fire main and water spray
Foam system
Sprinkler system
Ballast
Cooling water - essential services
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Fresh water - cooling water essential services
Condensate return
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Control air
Service air - non-essential
Brine

7. Fuel Oil Tanks

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$

Crude oil washing lines

Vent lines

Inert Gas - water seal effluent lines

Scrubber effluent lines

Main lines

Distribution lines

Cargo lines for flammable cargo with Flash Point $> 60^{\circ}\text{C}$

Fuel oil

Lubricating oil

Hydraulic oil

Seawater - bilge main and branches

Fire main and water spray

Foam system

Sprinkler system

Ballast

Cooling water - essential services

Tank cleaning services - fixed machines

Seawater and freshwater non-essential systems

Fresh water - cooling water essential services

Condensate return

Deck drains (internal)

Sanitary drains (internal)

Scuppers and discharges (overboard)

Sounding / Air - water tanks / dry spaces

Sounding / Air - oil tanks (Flash Point $> 60^{\circ}\text{C}$)

Control air

Service air - non-essential

Brine

8. Ballast Water Tanks

Cargo lines for flammable cargo with Flash Point $\leq 60^{\circ}\text{C}$

Crude oil washing lines

Vent lines

Inert Gas - water seal effluent lines

Scrubber effluent lines

Main lines

Distribution lines

Cargo lines for flammable cargo with Flash Point $> 60^{\circ}\text{C}$

Fuel oil

Lubricating oil

Hydraulic oil

Seawater - bilge main and branches

Fire main and water spray

Foam system

Sprinkler system

Ballast

Cooling water - essential services
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Fresh water - cooling water essential services
Condensate return
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Sounding / Air - oil tanks (Flash Point > 60°C)
Control air
Service air - non-essential
Brine

9. Cofferdams, Void Spaces, Pipe Tunnels And Ducts

Cargo lines for flammable cargo with Flash Point \leq 60°C
Crude oil washing lines
Vent lines
Inert Gas - water seal effluent lines
Scrubber effluent lines
Main lines
Distribution lines
Cargo lines for flammable cargo with Flash Point > 60°C
Fuel oil
Lubricating oil
Hydraulic oil
Seawater - bilge main and branches
Foam system
Sprinkler system
Ballast
Cooling water - essential services
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Fresh water - cooling water essential services
Condensate return
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Sounding / Air - oil tanks (Flash Point > 60°C)
Control air
Service air - non-essential
Brine

10. Accommodation Service And Control Spaces

Cargo lines for flammable cargo with Flash Point \leq 60°C
Crude oil washing lines

Vent lines
Scrubber effluent lines
Main lines
Distribution lines
Cargo lines for flammable cargo with Flash Point > 60°C
Seawater - bilge main and branches
Fire main and water spray
Cooling water - essential services
Tank cleaning services - fixed machines
Seawater and freshwater non-essential systems
Condensate return
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

11. Open Decks

Inert Gas - water seal effluent lines
Scrubber effluent lines
Seawater and freshwater non-essential systems
Condensate return
Deck drains (internal)
Sanitary drains (internal)
Scuppers and discharges (overboard)
Sounding / Air - water tanks / dry spaces
Service air - non-essential
Brine

For and on behalf of
Durapipe UK



N. Taylor
Standards & Approvals Manager