



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

Boiler Turtle™



DESCRIPTION

Cortec's Boiler Turtle™ is a ready-to-use waterborne corrosion inhibitor for wet-dry layup of boiler systems. Its combination of contact and Vapor phase Corrosion Inhibitors protects multi-metal surfaces below and above the water level. Boiler Turtle™ is easy to apply because it does not require the boiler to be drained or opened for application. It is an excellent alternative to other methods of long-term layup.

PACKAGING & STORAGE

Boiler Turtle™ is available in 5-gallon (19 L) pails, 55-gallon (208 L) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® ADDITIVES FOR WATER TREATMENT



FEATURES

- Contact and vapor-phase corrosion protection
- Does not contain sulfites, silicates, phosphates, or nitrites
- Wet-dry layup application
- Contains a molybdate tracer or a PTSA tracer (for moly-free version)

BENEFITS

- Easy to use
- Eliminates frequent monitoring
- No need to drain before bringing boiler back online
- Protects metals that do not directly contact water in system

METALS PROTECTED

- Carbon Steel
- Cast Iron
- Copper
- Brass
- Solder
- Aluminum

TYPICAL PROPERTIES

Appearance	Amber Liquid
Density	9.5-9.7 lb/gal (1.14-1.16 kg/L)
pH	9.1-9.6 (Neat)
Freeze Point	7 to 10 °F (-14 to -12 °C)
Odor	Amine-like

Boiler Turtle™

APPLICATION

Shut the boiler down in accordance to normal procedures. Once boiler temperature has dropped below 180 °F (82 °C), add Boiler Turtle™ to feedwater and/or condensate system and pump to the boiler. Shut the system down and maintain it at high-water level for 24 hours before draining if for a dry layup. Leave at high water level for wet layup. Recommended dosage is 3,000-10,000 ppm for 3-12 months of protection. Contact Cortec® Technical Service for details.

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