



# Corfit CT Closed Std

Corrosion inhibitor, hardness stabiliser and dispersant for closed cooling circuits



## Brief information

**Product type:** Corrosion inhibitor (iron and steel materials, non-ferrous metals) hardness stabiliser and dispersant

**Contains:** Molybdate, polyelectrolytes, phosphonocarboxylates and non-ferrous metal inhibitors

**Preferably used for:** Closed cooling circuits without aluminium parts.

**Can be used in the pH range:** 6–10

**Dosage:** 4–6 ml/l with fully demineralised water

**Transport class:** Hazardous goods, ADR - UN 1824

**Container size:** 20 kg

**pH-value (direct):** 12.5–12.9

**Density (20°C):** approx. 1.12 g/cm<sup>3</sup>



## Product description

Corfit CT Protect A is a state-of-the-art, molybdate-based cooling water additive offering multiple effects. It is preferably used in closed cooling circuits with iron/steel materials as well as mixed installations with copper/copper alloys (without aluminium).

CT Closed Std is optimised for use in fully demineralised or soft cooling water. It is also chemically/thermally very stable and has an excellent long-term effect.

## Corfit CT Closed Std: Properties

- Protects iron, steel and non-ferrous metal materials from corrosion
- Functions as a hardness stabiliser in an emergency (cooling with tap water) and protects treated systems from limescale and mineral deposits
- Inhibits sediment sludge formation and subsurface sludge corrosion
- Optimises heat transfer
- Improves flow performance



Corrosion



Mineral deposits



Sludge/sediments



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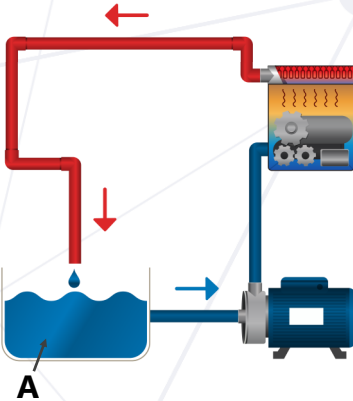


## Dosage

- For **fully demineralised water** in a **new system**: **6 ml of Corfit Closed Std per litre of cooling water.**
- For **partially demineralised water** and/or **supplementing the amount of water** in a **system that has already been passivated**: **2.5–3 ml per litre of cooling water.**



Corfit CT Closed Std



It is either added manually or using a dosing pump directly into the compensating tank **(A)**.

Since Corfit CT Closed Std remains chemically and thermally stable in the circuit, only losses caused by leaks or when the cooling water is replaced need to be compensated for after the initial filling.

## Controlling biological growth

To prevent biofilms consisting of germs that promote corrosion, form slime and/or are hazardous to health, we recommend using the biocides Sanosil C or Sanosil Super 25 in addition to Corfit CT Closed Std. The product is applied either manually or using a timer-controlled dosing pump that is resistant to chemicals.



## Analytics

The concentration of Corfit Closed Std is controlled by determining the molybdenum content in the circuit water.

1 mg/l molybdenum corresponds to 0.021 ml of Corfit Closed Std per litre of water.

To ensure effective corrosion protection, there should ideally be at least 120 -130 mg/l of molybdenum (corresponding to 2.5 ml of Corfit Closed Std per litre of cooling water).



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