



Corfit CT Closed AL

Corrosion inhibitor, hardness stabilizer and dispersant. For closed cooling circuits with mixed installations, including aluminum components



Brief information

Product type: Corrosion inhibitor (iron/steel, non-ferrous metals and aluminium components), hardness stabiliser and dispersant

Contains: Molybdate, polyelectrolytes, neutralised phosphonates

Preferably used for: Closed cooling circuits with mixed materials and/or aluminium components

Can be used in the pH range: 6–8.5

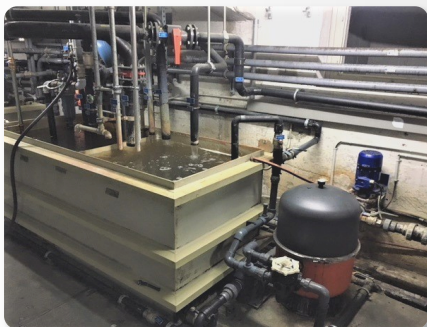
Dosage: 6-10 ml/l with fully demineralised water

Transport class: No hazardous goods, no transport restrictions

Container size: 20 kg

pH-value (direct): 7.5–8.5

Density (20°C): Approx. 1.12 g/cm³



Product description

Corfit CT Closed AL is a modern, molybdate-based cooling water additive with multiple functions. It is preferred for use in closed cooling circuits with iron/steel materials, non-ferrous metals, and mixed installations that may also include aluminum components. CT Closed AL is optimized for use in fully demineralized or soft cooling water, chemically and thermally very stable, and exhibits excellent long-term effectiveness.

Corfit CT Closed AL: Properties

- Protects iron/steel, non-ferrous metals and aluminium components from corrosion
- Optimised pH value for aluminium parts
- 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 and flow performance



Corrosion



Mineral deposits



Sludge/sediments



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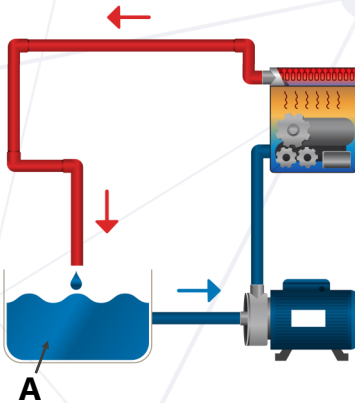
Dosage

- For **fully demineralised water** in a **new system**: **10-12 ml of Corfit Closed AL per litre of cooling water.**
- For **partially demineralised water** and/or **supplementing the amount of water** in a **system that has already been passivated**: **6 ml of Corfit Closed AL per litre of cooling water.**

(An eventual overdose of Corfit Closed AL does not have any adverse effects on the cooling water from a technical perspective. However, overdosing does not further increase the maximum protective effect.)



Corfit CT Closed AL



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

Since Corfit CT Closed AL 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 AL**. The product is applied either manually or using a timer-controlled dosing pump that is resistant to chemicals.



Analytics

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

To ensure effective corrosion protection, there should be 120–130 mg of molybdenum per litre of cooling water.



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