



Corrosion Modeling Software and Corrosion Prediction
Software Series

Cl2Compass®: Modeling and Prediction of Corrosion by Dry Chlorine

High-Value Software Solutions to Costly Corrosion

Version 9.23

★ **Performance** ★ **Functionality** ★ **Usability**



Anytime Anywhere Any Device Any OS

No USB dongles No installation No Browser Plug-ins

Contact Us for Licensing Details

Why WebCorr | Performance Guarantee | Unparalleled Functionality | Unmatched Usability | Any Device Any OS | Free Training & Support | CorrCompass

Overview of Cl2Compass

Cl2Compass is the only device and OS independent predictive software on the market for the modeling and prediction of corrosion by dry chlorine gas. Designers, engineers, consultants, maintenance and inspection personnel can quickly assess and quantify the impact of process variables on the corrosion rate and the remaining life of piping, vessels, and other equipment handling dry chlorine.

Figures below demonstrate the operation of Cl2Compass. With Cl2Compass, corrosion prediction and materials selection for chlorine services are as easy as 1-2-3.

(1) Select the material from the dropdown list,

(2) Enter the temperature

(3) Review the prediction results

Cl2Compass predicts the corrosion rate of the selected alloy at the specified temperature and the remaining life of the component under the prevailing operating conditions. In addition to that, Cl2Compass also recommends the maximum design temperature for the selected alloy for dry chlorine services.

Cl2Compass®: Modeling & Prediction of Corrosion by Dry Chlorine Gas		
Equipment ID		Piping #4
Material		Ni-20Cr-1Si ▼
Recommended Upper Temperature Limit, °C		450
Age	years	3.000
Nominal Wall Thickness	mm	5.000
Temperature	°C	480
Corrosion Rate	mm/y	1.101
Remaining Life	years	1.540

Figure 1 Cl2Compass Predicts the corrosion rate of alloys in dry chlorine gas services

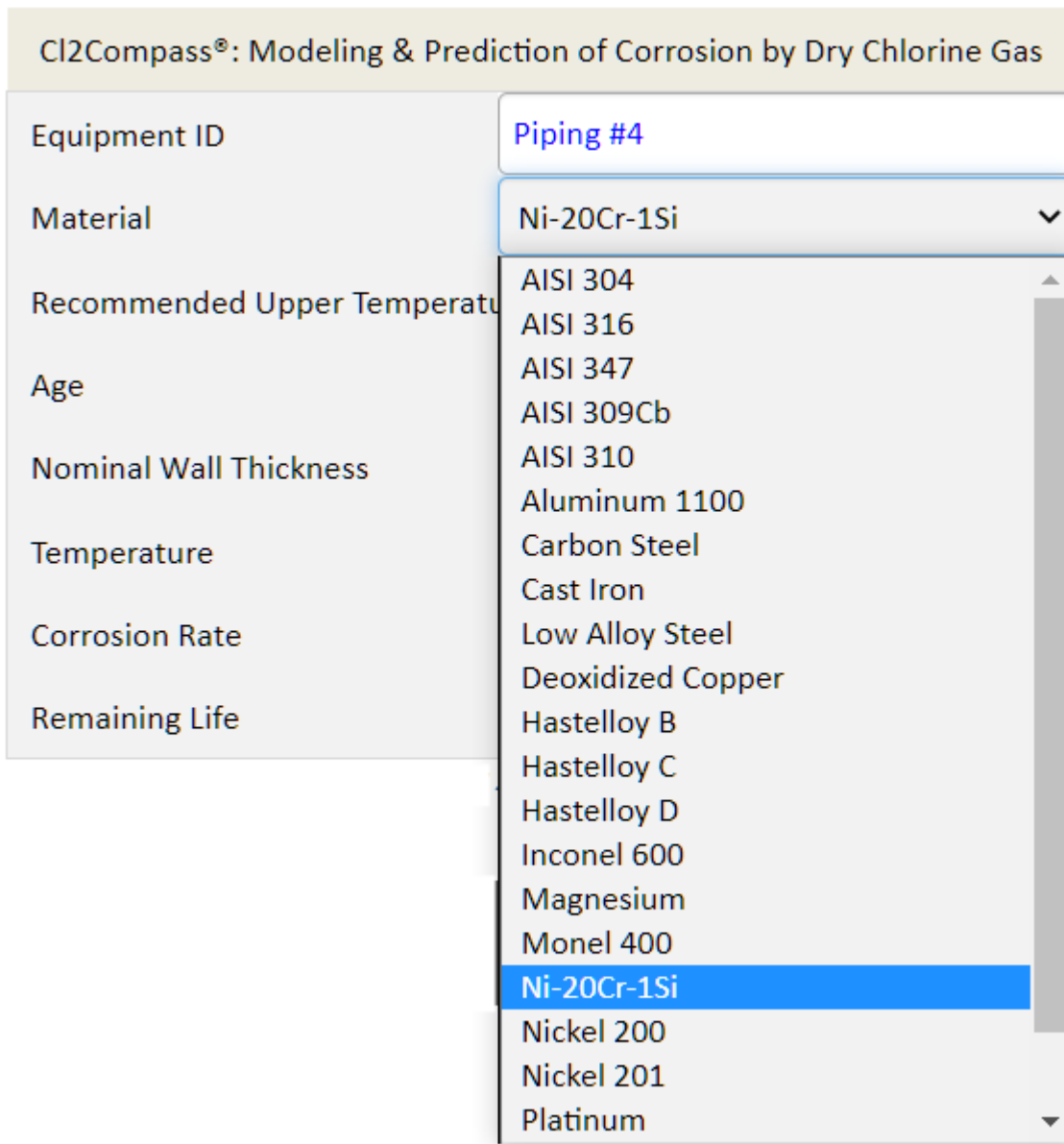


Figure 2 Cl2Compass is a cost-effective software tool for materials selection for dry chlorine gas services

The following corrosion resistant alloys for dry chlorine gas services are included in the corrosion prediction software:

AISI 304 Stainless Steel

AISI 316 Stainless Steel

AISI 347 Stainless Steel

AISI 309Cb Stainless Steel

AISI 310 Stainless Steel

Aluminum 1100
Carbon Steel
Cast Iron
Low Alloy Steel
Deoxidized Copper
Hastelloy B Alloy
Hastelloy C Alloy
Hastelloy D Alloy
Inconel 600 Alloy
Magnesium
Monel 400 Alloy
Ni-20Cr-1Si Alloy
Nickel 200
Nickel 201
Platinum
Silver
Gold

More alloys will be added to the software database as and when corrosion data are available. If you cannot find the alloy of your interest in Cl2Compass software, do let us know and we will conduct the necessary research work to have your alloys included in the software.

The powerful applications of Cl2Compass are truly unlimited in engineering design, corrosion life prediction, and materials selection for dry chlorine gas services.

[Click here to contact us for licensing details and experience the power of Cl2Compass.](#)

Cl2Compass, giving you the right directions in Cl2 corrosion prediction and materials selection.

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