

Corrosion Modeling Software and Corrosion Prediction Software

**Atmosphere-Compass®: Atmospheric Corrosion Prediction and Modeling for Metals and Alloys**

*The Ultimate Software Solutions to Costly Atmospheric Corrosion*

Version 9.20

☆ 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 Atmosphere-Compass: the Software Tool for Atmospheric Corrosion Prediction and Modeling**

Atmosphere-Compass is the only device and OS independent software tool on the market for the prediction and modeling of atmospheric corrosion of metals and alloys in compliance with ISO 9223 and ISO 9224. Designers, architects, OEM engineers, consultants, operation personnel, maintenance and inspection engineers can quickly determine the corrosion rates of metals and alloys exposed to indoor and outdoor atmospheres, anytime, anywhere, on any device running any OS without the need to install or download anything. Atmosphere-Compass also predicts the corrosion depth and the remaining life of equipment or structures based on the following inputs:

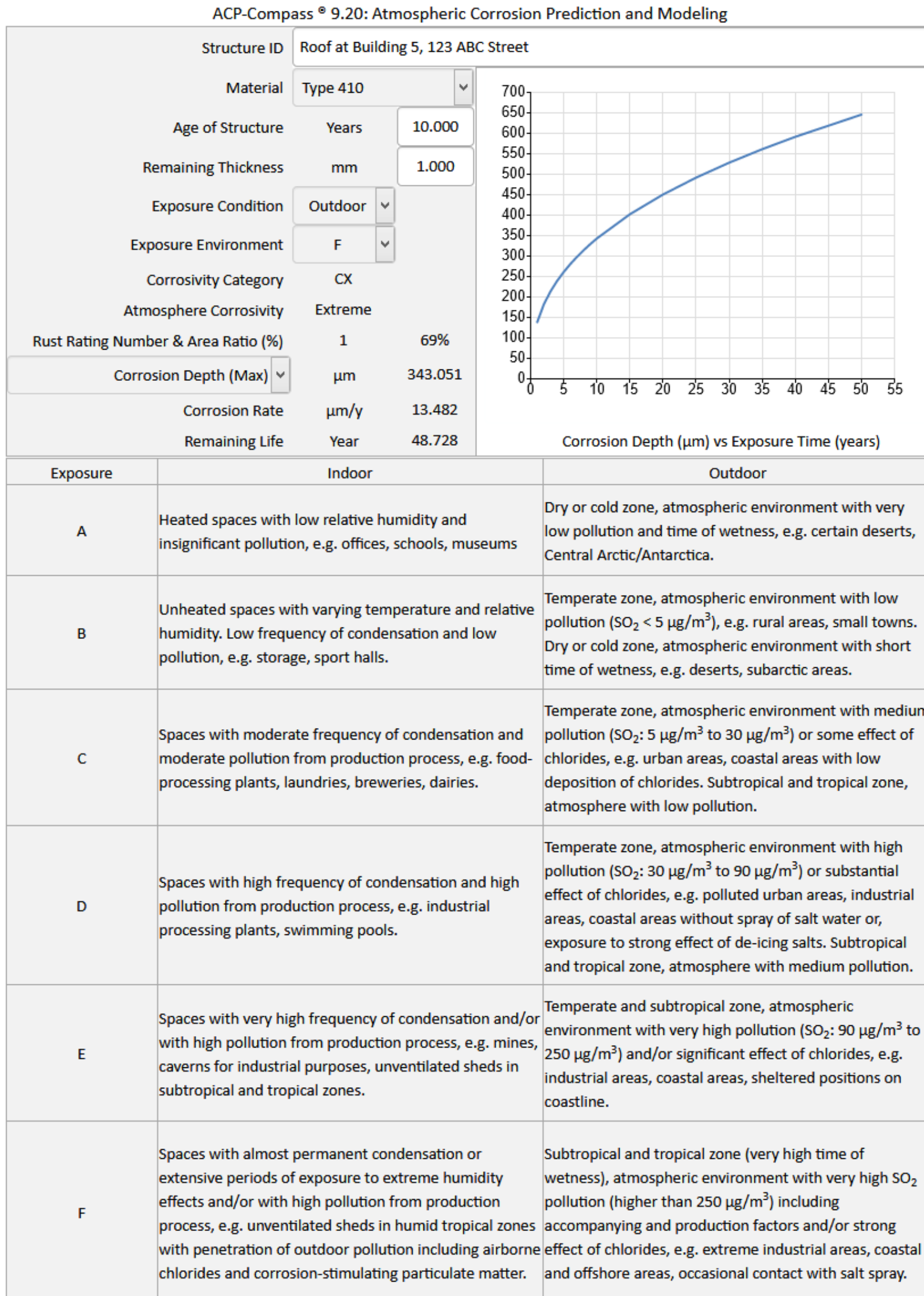


- material type/grade
- age of structure
- remaining thickness
- exposure condition -indoor or outdoor
- exposure environment

The outputs of Atmosphere-Compass include the following:

- the atmosphere corrosivity category
- the atmosphere corrosivity ranking
- the rust rating number as per Japanese standard JIS G0595 for stainless steels and alloys
- the corrosion depth at the specified age of the equipment or structure
- the corrosion rate at the specified age of the equipment or structure
- the remaining life of the equipment or structure
- a plot of the corrosion depth ( $\mu\text{m}$ ) vs. exposure time in years

Figures below show the screen shots of Atmosphere-Compass.



ACP-Compass Version 9.20 © 1995 ~ 2020 WebCorr Corrosion Consulting Services, Singapore

Figure 1 Atmosphere-Compass Predicts the rate of atmospheric corrosion and the remaining life of structures.

Under the specified exposure conditions shown in Figure 1 above, Atmosphere-Compass predicts, the corrosion rate, the accumulated depth of corrosion at the specified age, and the remaining life of the structure.

The following figures show the screen shots of Atmosphere-Compass.

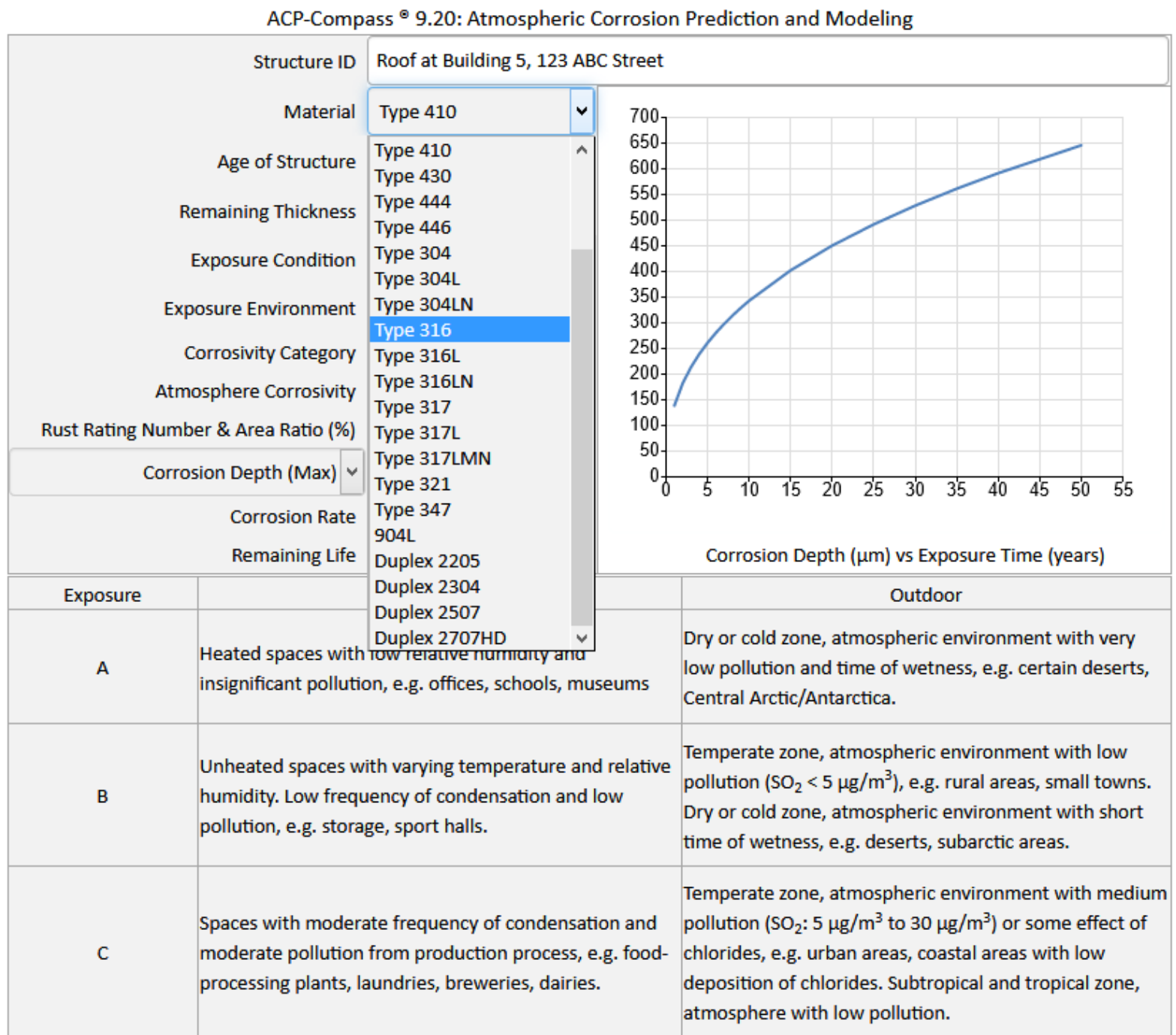


Figure 2 Atmosphere-Compass Predicts Atmospheric Corrosion of Metals and Alloys.

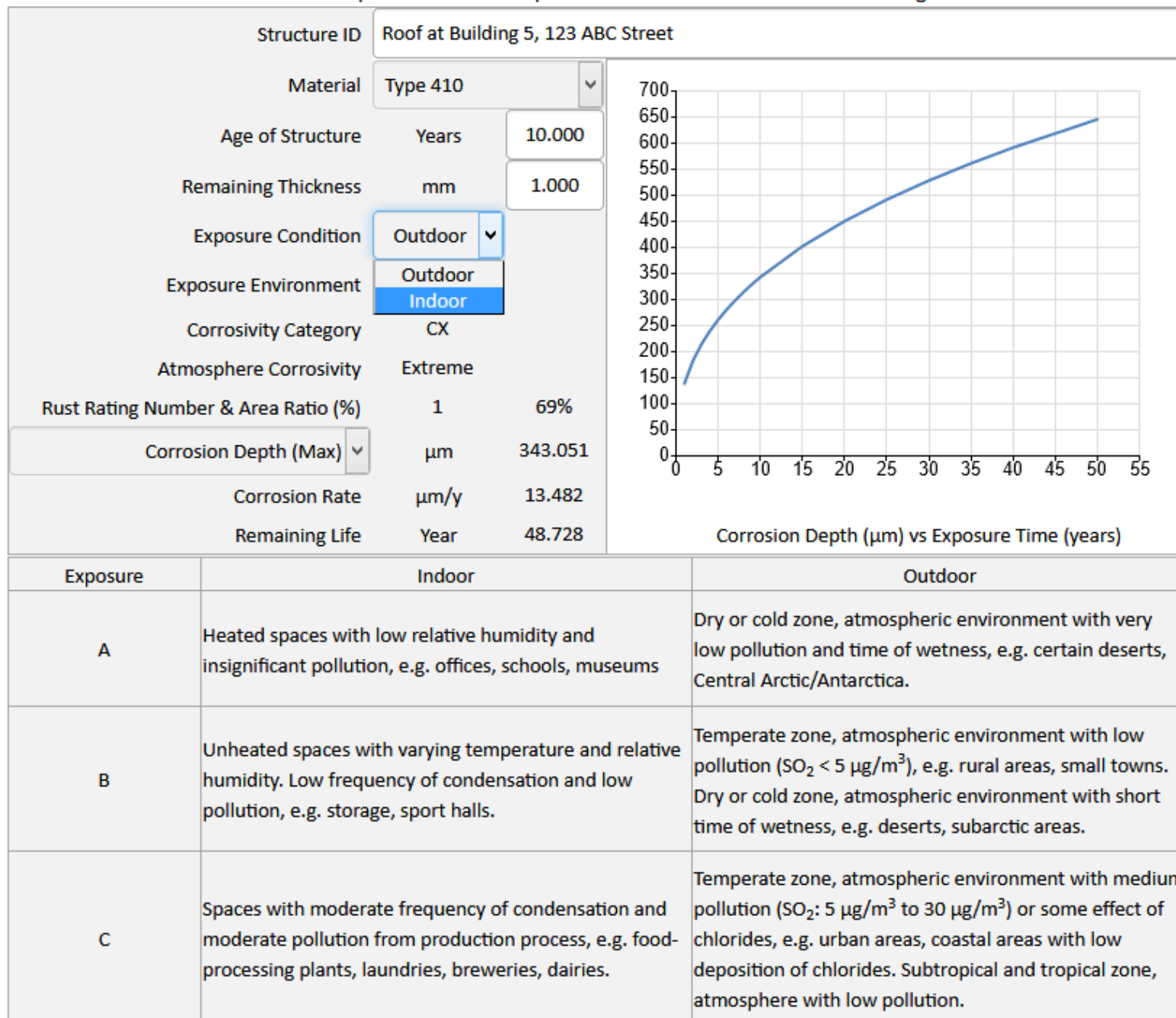


Figure 3 Atmosphere-Compass Predicts Atmospheric Corrosion in Indoor and Outdoor Environments.

Atmosphere-Compass models and predicts atmospheric corrosion of metals and alloys including commonly used stainless steels and duplex steels. Following is the list materials included in Atmosphere-Compass:

- Steel
- Zinc
- Copper
- Aluminium
- Type 410
- Type 430
- Type 444
- Type 446
- Type 304
- Type 304L
- Type 304LN
- Type 316
- Type 316L
- Type 316LN
- Type 317
- Type 317L
- Type 317LMN



Type 321

Type 347

904L

254SMO

AL-6X

AL-6XN

Incoloy 825

Inconel 625

Duplex 2205

Duplex 2304

Duplex 2507

Duplex 2707HD

The powerful applications of Atmosphere-Compass are truly unlimited in engineering design, corrosion prediction and corrosion modeling, materials selection, and remaining life estimation of equipment and structures exposed to atmospheric environments.

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

---

*Atmosphere-Compass, giving you the right directions in Atmospheric Corrosion Prediction and Modeling*

[Home](#) | [Contact Us](#) | [PDF](#)

Copyright © 1995-2020. All rights reserved.