

DIN 50905-2:2022-09 (E)

Corrosion of metals - Corrosion testing - Part 2: Values of corrosion with uniform corrosion attack

Contents

	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions.....	4
4 Measurands and their determination	4
4.1 General	4
4.2 Surface area exposed to corrosion	5
4.3 Change in mass.....	5
4.3.1 General	5
4.3.2 Mass loss	5
4.3.3 Increase in mass	5
4.4 Density.....	5
4.5 Exposure time.....	5
5 Corrosion characteristics and their calculation.....	6
5.1 General	6
5.2 Mass loss per unit area	6
5.3 Increase in mass per unit area	6
5.4 Reduction in thickness	6
5.5 Mass loss rate per unit area	7
5.6 Corrosion rate	8
Bibliography	11

Figures

Figure 1 — Mass loss - exposure time diagram for three corrosion mechanisms depending to different extents on the exposure time	7
Figure 2 — Mass loss rates per unit area	9

Tables

Table 1 — Measurands, symbols and units	4
Table 2 — Corrosion characteristics, symbols and units.....	6