

# DIN 17611:2022-08 (E)

## Anodized products of wrought aluminium and wrought aluminium alloys - Technical conditions of delivery

---

### Contents

Page

Foreword .....	3
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions.....	5
4 As-delivered quality .....	5
4.1 Anodizing quality .....	5
4.2 Standard quality .....	6
5 Designing products for anodizing.....	6
6 Anodizing.....	6
6.1 Materials .....	6
6.2 Pre-treatment.....	7
6.3 Anodizing process .....	8
6.4 Sealing.....	8
7 Requirements.....	8
7.1 Oxide coating thickness.....	8
7.2 Oxide coating quality .....	9
7.3 Surface appearance .....	9
8 Testing .....	10
8.1 Measurement of coating thickness.....	10
8.1.1 General .....	10
8.1.2 Measurement of the coating thickness using an eddy current instrument as in DIN EN ISO 2360.....	10
8.1.3 Measuring the coating thickness at the ground section, using a microscope, as in DIN EN ISO 1463.....	10
8.2 Determining coating durability.....	10
8.2.1 Measuring admittance as in DIN EN ISO 2931.....	10
8.2.2 Dye-spot test as in DIN EN ISO 2143.....	10
8.2.3 Determining loss of mass as in DIN EN ISO 3210 .....	10
9 Batching and scope of testing.....	10
9.1 Batching.....	10
9.2 Scope of testing .....	11
10 Transport, storage and assembly.....	11
Bibliography.....	12

### Tables

Table 1 — Pre-treatment of the surface — Symbols and type.....	7
Table 2 — Smallest average and smallest local oxide coating thickness.....	9
Table 3 — Number of test pieces for determining the coating thickness.....	11