

DIN 6175:2019-07 (E)

Colour tolerances for automotive coatings - Solid and effect coatings

Contents

Page

Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions.....	4
4 Procedure of colour measurement	5
5 Colour differences and colour tolerances.....	6
5.1 Calculation of weighting factors and weighted colour differences	6
5.2 Calculation of colour difference $\Delta E_{6175}(\gamma_i)$	8
5.3 Definition of colour tolerances.....	9
5.3.1 General	9
5.3.2 Colour tolerances for the supply of paint batches.....	9
5.3.3 Colour tolerances for the execution of coatings.....	9
5.3.4 Colour tolerances for the execution of repair coatings	9
Annex A (normative) Procedure when using measuring instruments with three angles	10
A.1 General	10
A.2 Calculation.....	10
Bibliography.....	12

Tables

Table 1 — Illumination and measurement angles γ_i	5
Table 2 — Factor values for applications as in 5.3	8