

DIN EN 14501:2006-02 (E)

Blinds and shutters - Thermal and visual comfort - Performance characteristics and classification

Contents	Page
Foreword	3
Introduction	4
1 Scope	4
2 Normative references	5
3 Terms, definitions and symbols	5
4 Notations used	7
4.1 General	7
4.2 Visual or solar properties	7
4.3 Geometry of the radiation	7
4.4 Optical factors	8
5 Thermal comfort	8
5.1 General	8
5.2 Control of solar gains - Total solar energy transmittance g_{tot}	9
5.3 Secondary heat gains - Secondary heat transfer factor $q_{i, tot}$	11
5.4 Protection from direct transmission - Normal/normal solar transmittance $e, n-n$	11
6 Visual comfort	12
6.1 General	12
6.2 Opacity control	14
6.3 Glare control	14
6.4 Night privacy	16
6.5 Visual contact with the outside	16
6.6 Daylight utilisation	17
6.7 Rendering of colours	18
Annex A (normative) Reference glazings	19
A.1 General	19
A.2 Glazing A	19
A.3 Glazing B	19
A.4 Glazing C	20
A.5 Glazing D	21
Annex B (informative) The meaning of the secondary internal heat transfer factor $q_{i, tot}$	22
Annex C (informative) Example of performance presentation	23
C.1 Thermal comfort	23
C.2 Visual comfort	24
Bibliography	25