DIN EN ISO 25980:2023-08 (E)

Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes (ISO 25980:2023)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 Requirements ... **6**
4.1 Transmittance ... 6
4.1.1 Infrared transmittance ... 6
4.1.2 Effective ultraviolet transmittance ... 6
4.1.3 Effective blue-light transmittance ... 6
4.1.4 Luminous transmittance ... 6
4.2 Resistance to ultraviolet radiation ... 7
4.3 Resistance to flame spread ... 7
4.4 Seam and eyelet strength ... 7

5 Test and calculation methods ... **7**
5.1 Transmittance ... 7
5.1.1 General ... 7
5.1.2 Effective ultraviolet transmittance ... 8
5.1.3 Effective blue-light transmittance ... 8
5.1.4 Luminous transmittance ... 8
5.2 Resistance to ultraviolet radiation ... 9
5.3 Resistance to flame spread ... 9
5.3.1 Test apparatus ... 9
5.3.2 Test specimens ... 10
5.3.3 Test procedure ... 10
5.3.4 Test report ... 11
5.4 Seam and eyelet strength ... 11
5.4.1 Test apparatus ... 11
5.4.2 Test specimens ... 11
5.4.3 Test procedure ... 12
5.4.4 Test report ... 12

6 Marking ... **12**
6.1 General ... 12
6.2 Mandatory markings ... 12

7 Information for users ... **12**

Annex A (informative) **Basis of the transmittance requirements of this document** ... **14**

Annex B (informative) **Selection of curtain** ... **18**

Bibliography ... **19**