# ISO 14877-2:2002-10 (E)

**Protective clothing for abrasive blasting operations using granular abrasives**

## Contents


page

**Foreword** ..... vi

**Introduction** ..... vii

**1 Scope** ..... 1

**2 Normative References** ..... 1

**3 Terms and definitions** ..... 2

**4 Requirements** ..... 2
**4.1 General** ..... 2
**4.2 Requirements for protective gloves for abrasive blasting operations** ..... 2
**4.2.1 General requirements** ..... 2
**4.2.2 Abrasion resistance of glove materials** ..... 2
**4.2.3 Blade cut resistance of glove materials** ..... 2
**4.2.4 Tear resistance of glove materials** ..... 2
**4.2.5 Puncture resistance of glove materials** ..... 3
**4.2.6 Dimensions of gloves for abrasive blasting operations** ..... 3
**4.2.7 Dexterity for abrasive blasting operations** ..... 3
**4.3 Requirements for protective clothing for abrasive blasting operations** ..... 3
**4.3.1 Types** ..... 3
**4.3.2 General requirements for protective clothing for abrasive blasting operations (all types)** ..... 3
**4.3.3 Additional requirements for abrasive blasting clothing of types 2 and 3** ..... 4

**5 Testing** ..... 5
**5.1 Sampling and conditioning** ..... 5
**5.2 Test methods for protective gloves for abrasive blasting operations** ..... 5
**5.2.1 Determination of the abrasion resistance of glove materials** ..... 5
**5.2.2 Determination of the blade cut resistance of glove materials** ..... 5
**5.2.3 Determination of the tear resistance of glove materials** ..... 5
**5.2.4 Determination of the puncture resistance of glove materials** ..... 5
**5.2.5 Determination of the dexterity of gloves** ..... 5
**5.3 Test methods for protective clothing for abrasive blasting operations** ..... 5
**5.3.1 Pretreatment** ..... 5
**5.3.2 Dimensions of clothing materials** ..... 5
**5.3.3 Breaking strength of clothing materials** ..... 6
**5.3.4 Seam strength of clothing materials** ..... 6
**5.3.5 Puncture resistance of clothing materials** ..... 6
**5.3.6 Tear resistance of clothing materials** ..... 6
**5.3.7 Resistance of the protective clothing material against abrasives** ..... 6
**5.3.8 Flammability** ..... 8
**5.3.9 Abrasion** ..... 8
**5.4 Additional test to be carried out for abrasive blasting clothing of type 3** ..... 8

**6 Marking and information supplied by the manufacturer** ..... 10
**6.1 Marking** ..... 10
**6.1.1 Marking of protective gloves for abrasive blasting operations** ..... 10
**6.1.2 Marking of protective clothing for abrasive blasting operations** ..... 10
**6.2 Information supplied by the manufacturer** ..... 10
**6.2.1 Information supplied by the manufacturer for gloves for abrasive blasting operations** ..... 10
**6.2.2 Information supplied by the manufacturer for protective clothing for abrasive blasting operations** ..... 10

**Annex A** (informative) **Examples of protective clothing for abrasive blasting operations** ..... 11

**Annex ZZ** (normative) **Corresponding International and European Standards for which equivalents are not given in the text** ..... 13

**Bibliography** ..... 14