# DIN EN 13546:2007-09 (E)

## Protective clothing - Hand, arm, chest, abdomen, le g, foot and genital protectors for field hockey goal keepers, and shin protectors for field players - Requirements and test methods (includes Amendment A1:2007)

## Contents

Page


page Foreword ..... 3

Introduction ..... 4

1 Scope ..... 4

2 Normative references ..... 4

3 Terms and definitions ..... 5

4 Requirements ..... 7
4.1 Innocuousness ..... 7
4.2 Ergonomic requirements ..... 8
4.3 Sizing ..... 8
4.4 Minimum dimensions of zones of protection ..... 12
4.5 Restraint requirements ..... 37
4.6 Impact performance requirements (excluding hard genital protectors) ..... 37
4.7 Impact performance requirements for hard genital protectors ..... 39

5 Test methods and procedures ..... 39
5.1 General ..... 39
5.2 Products for testing ..... 39
5.3 Conditioning of products ..... 40
5.4 Innocuousness ..... 40
5.5 Ergonomic testing ..... 40
5.6 Sizing ..... 41
5.7 Examination of zones of protection ..... 41
5.8 Restraint testing ..... 42
5.9 Impact testing ..... 45
5.10 Impact testing of products specified to be usable at high ambient temperatures ..... 51

6 Marking ..... 51

7 Information to be supplied by the manufacturer ..... 52

Annex A (informative) Information about determining the chemical innocuousness of protective clothing and equipment ..... 53

A.1 General ..... 53
A.2 Evidence of innocuousness ..... 53
A.3 Possible specific innocuousness testing ..... 53
A.4 Bibliography ..... 54

Annex B (informative) Selection of field hockey protective equipment with an appropriate level of performance ..... 55

B.1 General ..... 55
B.2 Performance levels of products other than hard genital protectors ..... 55
B.3 Use of products at high ambient temperatures ..... 56
B.4 Performance levels of hard genital protectors ..... 56

Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives ..... 58