

# High visibility apparel: providing protection, comfort and style, 2012 edition

<https://marketpublishers.com/r/H9A682A9380EN.html>

Date: May 2012

Pages: 30

Price: US\$ 520.00 (Single User License)

ID: H9A682A9380EN

## Abstracts

High visibility apparel plays a critical role in making the jobs of those who work in hazardous environments safer. High visibility materials have also found their way into an increasing number of apparel categories, partly as a result of technological advances and partly as a result of improvements in design. They have even found their way into fashion. Demand for high visibility apparel will continue to grow, especially in developing economies, as new groups of users emerge, new applications are found and legislation governing the use of high visibility garments becomes increasingly stringent. This report provides a wealth of information on high visibility apparel, including the types of high visibility material used in the design and construction of apparel, as well as the use and maintenance of apparel. The report also features information on the development and application of high visibility materials, regulation and standards for high visibility apparel and an outlook for the future of the high visibility apparel market.

## Contents

### **SUMMARY**

### **INTRODUCTION**

### **MARKET FOR HIGH VISIBILITY PROTECTIVE CLOTHING**

### **DEVELOPMENT OF HIGH VISIBILITY MATERIALS**

Development of fluorescent fabrics

Development of retroreflective materials

### **THE NEED FOR HIGH VISIBILITY APPAREL**

Drawbacks of high visibility apparel

### **VISIBILITY AND CONSPICUITY**

Colour

Fluorescence

Retroreflection

### **HIGH VISIBILITY MATERIALS USED IN APPAREL**

Fluorescent materials

Retroreflective materials

Glass bead technology

Microprismatic technology

Electroluminescent materials

Light emitting diodes

Glow-in-the-dark pigments

Chromic materials

Polychromic fibres

### **DESIGN AND CONSTRUCTION OF HIGH VISIBILITY APPAREL**

### **USE AND MAINTENANCE OF HIGH VISIBILITY APPAREL**

## **APPLICATIONS OF HIGH VISIBILITY MATERIALS**

Industrial protective clothing  
Promotional clothing  
Corporate clothing  
Sportswear and recreational wear  
Casualwear, children's wear and fashion wear  
Casualwear and children's wear  
Fashion wear

## **LEGISLATION AND STANDARDS RELATING TO HIGH VISIBILITY**

### **APPAREL**

Legislation governing the use of high visibility apparel for occupational purposes  
Non-compliance with safety regulations  
Legislation governing the use of high visibility apparel for non-occupational purposes  
Standards for high visibility clothing  
EN471  
ANSI/ISEA 107-2010  
ISO 20471

### **OUTLOOK**

## List Of Tables

### LIST OF TABLES

Table 1: Relationship between stopping sight distance and driving speed

Table 2: Fatal occupational injuries on road construction sites in the USA, 2003-10

Table 3: Standards for high visibility apparel

Table 4: Requirements of European standard EN471 by level of conspicuity

Table 5: ANSI/ISEA 107-2010: minimum areas of high visibility material

## List Of Figures

### LIST OF FIGURES

Figure 1: Industrial protective clothing market in Western Europe: percentage of total revenues by category, 2009

Figure 2: Size of the high visibility clothing market in Western Europe by value, 2006-16

Figure 3: Light reflecting off a glass bead

Figure 4: Light reflecting off a microprism

Figure 5: Electroluminescent T-shirt

Figure 6: Jacket made from a combined material

Figure 7: High visibility clothing revenues in Western Europe by end user, 2010

Figure 8: Glow-in-the-dark jacket designed by Stella McCartney

## I would like to order

Product name: High visibility apparel: providing protection, comfort and style, 2012 edition

Product link: <https://marketpublishers.com/r/H9A682A9380EN.html>

Price: US\$ 520.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/H9A682A9380EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970