# Hackwell Group

## Wood Plastics Composites in Europe (2011)

## Analysis ■ Technology ■ Market Prospects and Opportunities

#### 3rd edition







- Since our most recent previous report in 2006 the European market for Wood Plastic Composites (WPC) has grown dramatically and has been joined by a number of significant players. The Hackwell Group now announces the third edition of its report into European WPC, which was published in December 2011. We believe that this report will enable you to take advantage of these exciting growth opportunities.
- The first two Hackwell Group Reports were acknowledged throughout the industry to be the most thorough and comprehensive available.
- This latest report 'Wood Plastics Composites in Europe (2011)' has been thoroughly updated. It is based on many new interviews that were carried out throughout much of 2011.

#### **WPCs**

have excellent environmental status and enormous scope for further growth

#### The 3<sup>rd</sup> Hackwell Report addresses such questions as:

♦ What is WPC? ♦ What are its properties? ♦ What are the market segments and applications? ♦ What standards and specifications apply? ♦ What raw materials go into WPC formulations? ♦ How easy is WPC to manufacture? ♦ What are the technical limitations of WPC? ♦ How can WPCs combine the best features of wood and plastics? ♦ Where are the current market opportunities in Europe? ♦ What distribution chains are being employed? ♦ Who are the major WPC players in Europe and what products do they offer? ♦ What kind of warranties are being offered?

### Where are the growth opportunities for these materials? And to what extent is Europe affected by Asian and US imports?

WPCs combine the advantages of wood with the processability of plastics They can be sawn, nailed, screwed and worked like wood, yet also extruded and moulded like plastics; they offer greater durability and moisture resistance than softwood. They can also replace exotic tropical hardwoods.



#### Who should read this Report?

The Hackwell Report will be of enormous value to anyone with a stake in the future of Wood Plastics Composites or considering entry into the market:

◆ Profile Extrusion Companies
 ◆ Injection Moulders
 ◆ Materials Handling Companies
 ◆ Machinery Suppliers
 ◆ Manufacturers of Internal and External Building Components
 ◆ Resin Suppliers
 ◆ Additive Suppliers
 ◆ Recycling Organisations
 ◆ Architects and Designers
 ◆ Wood Suppliers
 ◆ Furniture Producers
 ◆ Technical Research Institutes
 ◆ Environmental Groups
 ◆ Local Government Authorities and other Major Institutional Purchasers
 ◆ Universities

#### Who writes the Hackwell Report?

Brian Hackwell leads an established team including analysts, consultants, academics and multilingual market research specialists of UK, Belgian, Finnish and Swiss origin

#### **Contents**

(subject to minor amendment before publication)

#### **Executive Summary**

#### 1. Introduction to Wood Plastics Composites

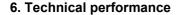
- 1.1 Definition and explanation of WPC
- 1.2 Brief history
- 1.3 Typical products
- 1.4 Advantages and disadvantages

#### 2. Frequently Asked Questions

- 3. Applications
- 4. Raw materials

#### 5. Manufacturing WPC

- 5.1 Extrusion
- 5.2 Injection Moulding
- 5.3 Other processes



#### 7. Environmental aspects

#### 8. Cost competitiveness, pricing and production economics

#### 9. Market assessment 2010-2015

Major applications covered: decking, construction, window applications, fencing, furniture, infrastructure, reel cores, marine applications, automotive Industrial

- 10. Distribution channels
- 11. Standards
- 12. Company profiles of WPC suppliers in Europe
- 13. Conclusions and strategies for the future







Approximate length: 225 pp; Format: Hard copy or CD

#### ORDER FORM AND PAYMENT INSTRUCTIONS

To order the Report, please complete the details below and return this form, with your cheque or confirmation of electronic payment, to the address given at the bottom of this section.

Price: €2,250-; US \$3200-; UK £1895 [includes postage and packing].

Payment should be made either by electronic transfer or by cheque.

Electronic payments should be made to the following account:

Account: Hackwell Group

Bank: Bank of Scotland, 600 Gorgie Street, Edinburgh EH11 3XP

Account No: 06439856
Branch Code: 12-24-82
BIC: BOFSGB2S

IBAN: GB76 BOFS 1224 8206 439856

Email: sales@woodplasticcomposites.org

http://www.woodplasticcomposites.org

Cheques should be made payable to "Hackwell Group" posted to the address at the bottom of this page (Note: Sterling cheques must be drawn on a UK bank).

Your name	(please print or write clearly)
Company	
	Fax
Postal address for delivery	
The report is available in hard copy or on choice below:	CD at the same price – please indicate
Bound hard copy	CD
Send order to: Hackwell Group, The Coach House, 36A Broadwater Dow Tunbridge Wells, Kent TN2 5NX, UK Phone: +44 (0) 1892 52 55 76 or +44 (0)	

http://www.hackwellgroup.co.uk