Supplementary Cementitious Materials: Global Markets and New Technologies

Description: The global supplementary cementitious material (SCM) market was valued at $74.8 billion in 2014 and over $79.2 billion in 2015. The market should reach $103.2 billion by 2020, at a compound annual growth rate (CAGR) of 5.4% from 2015 to 2020.

This report provides:

- An overview of the global markets and related technologies for supplementary cementitious materials (SCMs)
- Analyses of global market trends, with data from 2014, 2015, and projections of compound annual growth rates (CAGRs) through 2020
- Coverage of popular SCMs such as fly ash, granulated blast furnace slag (GGBS) and silica fume (SF)
- Evaluation of concrete and cement after mixing SCMs which overall can lower permeability, increase durability, add more resistance to sulphates and sea water, and increase chemical stability
- A geographical breakdown into North America, Europe, Rest of the World, and the Asia-Pacific region where demand for SCMs is tremendous
- A look at the market’s dynamics, specifically growth drivers, restraints, and opportunities
- Coverage of the legal and regulatory environments
- Profiles of major suppliers and players in the industry

Scope of the report:

This research report incorporates an in-depth analysis of the global SCM market including market estimations and trends through 2020. This report analyzes the market dynamics of SCMs across the North America, Europe, Asia-Pacific and RoW regions. Major players, competitive intelligence, market dynamics and geographic opportunities are discussed in detail in the report. The report also discusses recent developments and the product portfolios of the major players. Patent analysis provides trends over the past two to three years in the U.S., Europe and Japan.

Contents:

Chapter- 1: Introduction
- Study And Objective
- Global Supplementary Cementitious Materials Market Description
- Scope Of The Report
- Intended Audience
- Research Methodology
- Analyst's Credentials

Chapter 2: Summary
- Table Summary : Global Scm Market Revenue By Product, Through 2020
- Figure Summary : Global Scm Market Revenue By Product, 2014-2020

Chapter 3: Market Overview
- Market Analysis
- Market Share Of Key Supplementary Cementitious Materials
- Market Applications
- Market Strategies
- Market Dynamics

Chapter 4: Supplementary Cementitious Materials By Type
- Fly Ash
- Slag Cement
- Silica Fumes
- Natural Pozzolans
Chapter 5: Supplementary Cementitious Materials By Region
- North America
- Europe
- Asia-Pacific
- ROW

Chapter 6: Company Profiles
- ACC
- Adelaide Brighton
- Advanced Cement Technologies
- Ash Grove Cement Company
- Beemsterboer Slag Corp.
- Binani Industries
- Bharathi Cement
- Boral Industries Inc.
- Cemex USA
- CR Minerals
- Daiichi Cement Co Ltd (D C Co Ltd)
- Dirk India Private Ltd.
- Elkem As Silicon Materials
- Fesil Rana Metall As
- Flyash Australia
- Globe Specialty Metals Inc.
- Hanson U.K.
- Holcim Group Services Ltd/Holcim Technology Ltd.
- India Cement
- Italcementi Group
- JSW Cement
- Lehigh Cement Company
- Luoyang Jihe Micro-Silica Fume Co. Ltd.
- Mineral Resource Technologies
- Neptune Industries
- NGHI Son Cement Corporation (NSCC)
- Nippon Steel Blast Furnace Slag Cement Co Ltd
- Norchem Silica Fume Products
- Oldcastle Inc.
- PPC Zimbabwe
- RW Silicium Gmbh
- SCB International
- Shree Cement
- Simcoa Operations Pty. Ltd
- Stein Inc.
- Titan America
- Ultratech Cement
- Unimin Corporation
- Urban Mining Northeast, Llc
- VHSC Cement
- Vitro Minerals
- Wagners
- Wuhan Newreach Chemical Company Ltd

Chapter- 7: Patent Analysis
List Of Patents

List Of Tables

Summary Table : Global Scm Market Revenue By Product, Through 2020
Table 1 : Global Fly Ash Production And Utilization, 2008
Table 2 : Particle Size Analysis Of Minex
Table 3 : Physical Properties Of Minex
Table 4 : Chemical Analysis Of Minex
Table 5 : Chemical Analysis Of Minspar
Table 6: Physical Properties of Minspar
Table 7: Particle Size Analysis of Minspar
Table 8: Comparative Analysis Between Concrete Roads and Asphalt Roads
Table 9: Road Length by Country
Table 10: List of Incentives in North America
Table 11: Chemical Properties of Fly Ash Based on the Chemical Content of the Coal Burned
Table 12: Physical Composition of Fly Ash
Table 13: Chemical Composition of Fly Ash
Table 14: Chemical Composition of Fly Ash from Different Countries
Table 15: Comparison Between Physical and Chemical Properties of Class F and Class C Fly Ash
Table 16: Physical and Chemical Properties of Slag Cement
Table 17: Physical Properties of Silica Fumes
Table 18: Chemical Composition of Different Silica Fumes Samples
Table 19: Price Range of Natural Pozzolan, 2014-2015
Table 20: Energy Savings in the Manufacture of Building Materials Through Use of Fly Ash
Table 21: Recommended Specifications for Cement and Concrete Containing Recovered Materials
Table 22: Regulations in the E.U. for Granulated Blast-Furnace Slag
Table 23: Identified Uses for Granulated Blast-Furnace Slag
Table 24: Classification and Labeling: Self-Classification According to Directive 67/548/Eec Criteria
Table 25: Proposed Classification According to the Clp Regulation
Table 26: Chemical Composition of Fly Ash
Table 27: Chemical Composition of Cement
Table 28: Load-Bearing Capacity of the Sheet in Proportion to the Quantity of Fly Ash
Table 29: Test Results of the Product at 10, 30, 60 and 90 Days After Curing
Table 30: Properties of Calcium-Enriched Fly Ash in Fiber Cement Sheets
Table 31: Effect of Fly Ash on the Properties of Concrete
Table 32: Benefits of Improved Strength
Table 33: Typical Chemical and Mineralogical Analysis of Some Natural Pozzolans
Table 34: Global Fly Ash Market, Through 2020
Table 35: Global Fly Ash Market Volume by Region, Through 2020
Table 36: Global Fly Ash Market Revenue by Region, Through 2020
Table 37: Global Slag Cement Market, Through 2020
Table 38: Global Slag Cement Market Volume by Region, Through 2020
Table 39: Global Slag Cement Market Revenue by Region, Through 2020
Table 40: Global Silica Fumes Market, Through 2020
Table 41: Global Silica Fumes Market Volume by Region, Through 2020
Table 42: Global Silica Fumes Market Revenue by Region, Through 2020
Table 43: Global Natural Pozzolans Market, Through 2020
Table 44: Global Natural Pozzolans Market Volume by Region, Through 2020
Table 45: Global Natural Pozzolans Market Revenue by Region, Through 2020
Table 46: North America Scm Market, Through 2020
Table 47: North America Scm Market Volume by Product, Through 2020
Table 48: North America Scm Market Revenue by Product, Through 2020
Table 49: U.S. Scm Market, Through 2020
Table 50: U.S. Scm Market Volume by Product, Through 2020
Table 51: U.S. Scm Market Revenue by Product, Through 2020
Table 52: Europe Scm Market, Through 2020
Table 53: Europe Scm Market Volume by Product, Through 2020
Table 54: Europe Scm Market Revenue by Product, Through 2020
Table 55: Germany Scm Market, Through 2020
Table 56: Germany Scm Market Volume by Product, Through 2020
Table 57: Germany Scm Market Revenue by Product, Through 2020
Table 58: U.K. Scm Market, Through 2020
Table 59: U.K. Scm Market Volume by Product, Through 2020
Table 60: U.K. Scm Market Revenue by Product, Through 2020
Table 61: Asia-Pacific Scm Market, Through 2020
Table 62: Asia-Pacific Scm Market Volume by Product, Through 2020
Table 63: Asia-Pacific Scm Market Revenue by Product, Through 2020
Table 64: China Scm Market, Through 2020
Table 65: China Scm Market Volume by Product, Through 2020
Table 66: China Scm Market Revenue by Product, Through 2020
Table 67: India Scm Market, Through 2020
Table 68: India Scm Market Volume by Product, Through 2020
Figure 8: Green Activity In The U.S., 2011-2018
Figure 9: U.S. Green Building Market, 2010-2015
Figure 10: Global Fly Ash Price Trend Analysis By Region, 2012-2020
Figure 11: Global Slag Cement Price Trend Analysis By Region, 2012-2020
Figure 12: Global Silica Fumes Price Trend Analysis By Region, 2012-2020
Figure 13: Global Carbon Dioxide Production By Sector, 2013
Figure 14: Scm Replacement Percent Required In Concrete For Zero Increase In Co2 Production Per Region, 1995-2010
Figure 15: Carbon Dioxide Emissions
Figure 16: Fly Ash Production Process
Figure 17: Granulated Blast-Furnace Slag Production Process
Figure 18: Silica Fumes Production Process
Figure 19: Fly Ash Segmentation
Figure 20: Effect Of Slag Cement On 7-Day And 28-Day Compressive Strength
Figure 21: Effect Of Slag Cement On 7-Day And 28-Day Flexural Strength
Figure 22: Effect Of Slag Cement On Concrete Chloride Ion Penetrability In Accordance With Astm C-1202
Figure 23: Comparison Of Various Portland-Slag Cement Combinations Tested In Accordance With Astm C-1012
Figure 24: Impact Of Slag On Two-Year Expansion Of Concrete In Accordance With Astm C-1293
Figure 25: Effect Of Silica Fumes On Fresh Concrete
Figure 26: Effect Of Silica Fumes On Hardened Concrete
Figure 27: Global Scm Market Volume By Region, 2014
Figure 28: Global Scm Market Volume By Region, 2020
Figure 29: U.S. And Mexico Cement Consumption, 2006-2012
Figure 30: Europe Cement Consumption By Key Countries, 2006-2012
Figure 31: China And India Cement Consumption, 2006-2012
Figure 32: Rest Of Asia Cement Consumption, 2006-2012
Figure 33: Egypt, Brazil And Saudi Arabia Concrete Consumption, 2006-2012

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3672819/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Supplementary Cementitious Materials: Global Markets and New Technologies
Web Address: http://www.researchandmarkets.com/reports/3672819/
Office Code: SCPLQY3F

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Product Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td></td>
<td>USD 8500</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: __________________________ Last Name: __________________________
Email Address: * __________________________
Job Title: __________________________
Organisation: __________________________
Address: __________________________
City: __________________________
Postal / Zip Code: __________________________
Country: __________________________
Phone Number: __________________________
Fax Number: __________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:
Marketing Code: ____________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp