

Concrete, Gypsum, and Plaster Products: Market Research Report

https://marketpublishers.com/r/C5AFF629FB1EN.html

Date: December 2011 Pages: 244 Price: US\$ 1,995.00 (Single User License) ID: C5AFF629FB1EN

Abstracts

The global outlook series on Concrete, Gypsum, and Plaster Products provides a collection of statistical anecdotes, market briefs, and concise summaries of research findings.

The report offers a bird's eye view of the industry, highlights latest trends in the concrete, gypsum and plaster products market, and demand drivers, in addition to providing statistical insights.

Market discussions in the report are punctuated with 69 fact-rich market data tables.

Regional markets elaborated upon include United States, Canada, France, Germany, Italy, UK, Spain, Hungary, Australia, China, India, South Korea, Thailand, Brazil, Mexico, Iran and South Africa, among others.

Also included is an indexed, easy-to-refer, fact-finder directory listing the addresses, and contact details of 1078 companies worldwide.



Contents

1.OVERVIEW

Introduction Industry at a Glance Economic Crisis Derails Progress of the Global Construction Sector A Historical Perspective Evolution of the Industry Concrete Introduction Current and Future Analysis

Table 1. World Recent Past, Current, and Future Analysis for Concrete by Geographic Region – US, Canada, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Consumption in Million Metric Tons for Years 2010 through 2015

Table 2. World 5-Year Perspective for Concrete by Geographic Region – PercentageBreakdown of Volume Consumption for US, Canada, Europe, Asia-Pacific, LatinAmerica and Rest of World Markets for Years 2011 & 2015

Concrete - A Preferred Material for Sustainable Construction Concrete Admixtures Market – An Overview Growth Prospects for the Concrete Additives Market Ready-Mix Concrete Demand Determinants for Ready Mix Concrete Ready-Mix Concrete Industry To Witness Growth Ready-Mix Concrete – Price Hike Comes with Riders Aspects Associated with Ready Mix Concrete At Production/Supply Point At Manufacturer's Point Factors Influencing Establishment of Additional Facilities Seasonal Nature of the Market Regulatory Environment Gypsum Global Gypsum Market



Table 3. World Recent Past, Current, and Future Analysis for Gypsum by Geographic Region – US, Canada, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Consumption in Thousand Metric Tons for Years 2010 through 2015

Table 4. World 5-Year Perspective for Gypsum by Geographic Region – PercentageBreakdown of Volume Consumption for US, Canada, Europe, Asia-Pacific, LatinAmerica and Rest of World Markets for Years 2011 & 2015

Table 5. World Gypsum Market (2008-2010): Annual Mine Production Figures in MillionMetric Tons

Table 6. Global Gypsum Market (2008, 2009 & 2010): Percentage Breakdown of Mine Production by Major Countries - China, Iran, Spain, US, Thailand, Japan, Canada, Italy, France, Mexico and Others

Market Structure Gypsum Market Dented by Turmoil in Economy Demand for Gypsum in Plasterboards and Cement in Select Regions: A Review Japanese Earthquake Favors Global Gypsum Construction Materials Market Gypsum Market in the Commercial Sector Use of Synthetic Gypsum Gains Momentum Gypsum Market – Freeze Frame Comparison between Demand for Gypsum in Plasterboard and in Cement Global Plasterboard Market Plasterboard Consumption Stumbles Emerging Markets Present Brighter Prospects Transition in the Use of Plasterboard

2.PRODUCT OVERVIEW

Concrete Concrete Constituents Cement Aggregates Crushed Rock Sand and Gravel Water



- **Concrete Manufacturing Process**
- Mixing
- Workability
- Curing
- Concrete Admixtures
- Types of Admixtures
- Retarders
- Accelerators
- Air-Entrainers
- Water Reducers
- Benefits of Adding Admixtures to Concrete
- Various Forms of Concrete
- Regular Concrete
- Precast Concrete
- Prestressed Concrete
- High-Strength Concrete
- Reinforced Concrete
- Self-Compacting Concrete
- **Roller-Compacted Concrete**
- High-Performance Concrete
- Rapid Strength Concrete
- **Pervious Concrete**
- Tilt-Up Concrete
- Shotcrete
- Textured Concrete
- Cellular Concrete
- Asphalt Concrete
- Limecrete
- **Glass Concrete**
- Polymer Concrete
- Green Concrete or Geo-polymer
- Characteristics of Concrete
- **Physical Features**
- Elasticity
- Strength
- Cracking
- Tension Cracking
- Shrinkage Cracking
- Creep



Damage of Concrete

Fire

Physical Damage Bacterial Damage Expansion of Aggregate Consequences of Sea Water **Chemical Damage** Chlorides Sulphates Carbonation Applications of Concrete Concrete in Flooring Self-Placing Concrete Concrete in Building Houses Development of Transportation Infrastructure Using Concrete **Concrete Screws Glass Fiber-Reinforced Concrete** Concrete Pads Economical Means of Construction Using Concrete Framing System Floor Framing Fire Rating Floor Vibrations **Building Layout and Plan** Scope for Future Modifications **Recycling of Concrete Ready-Mixed Concrete Ready-Mix Concrete Producers** Truck Mixer for Delivering Ready-Mixed Concrete Ready-Mixed Concrete Vs Precast Concrete Products Environmental Concerns Related to Ready-Mixed Concrete Gypsum - Basic Definitions, Grades, and Specifications **Gypsum - Characteristics** Uses Production of Gypsum **Basic Steps** Lime Milk Preparation Flue Gas Washer Gypsum Process



Production Process

- Geology and Resources
- Research and Technology

Mining

- Gypsum Processing
- Gypsum Products
- Gypsum Plaster
- Plaster Blocks
- Plasterboard or Gypsum Wallboard
- Production of Wallboard
- Building Plaster
- **Decorative Plaster**
- Characteristics of Gypsum Products
- Role of Technology
- Lime
- Plaster
- Types of Plaster
- Lime Plaster
- Plaster of Paris
- Cement Plaster
- Properties of Plaster
- Applications of Plaster
- Fire Protection
- Artistic Applications
- Architectural Applications
- Medical Applications

3.TECHNOLOGICAL BREAKTHROUGHS

Fiber Reinforced Concrete Wuhan University Scientists Invent Supramolecular, a Self-Sanitizing Plaster Use of Synthetic Materials for Construction Insulated Concrete Forming (ICF) Fly Ash for Concrete Reinforcement

4.MERGERS & ACQUISITIONS

5.STRATEGIC CORPORATE DEVELOPMENTS



6.PRODUCT LAUNCHES

A REGIONAL MARKET PERSPECTIVE

1.NORTH AMERICA

Gypsum Market – An Overview

Table 7. North American Gypsum Market (2010): Percentage Breakdown of Value Sales by Company for USG Corporation, National Gypsum, Saint-Gobain, Georgia Pacific, Eagle Materials and Others

Gypsum Producers Employ Cost Cutting Measures

1A.THE UNITED STATES

Concrete Market Analysis

Table 8. The US Concrete Market (2010-2015): Annual Consumption Figures in MillionMetric Tons

Cement and Concrete Market Faces Tough Times Concrete Block and Brick Market Exhibits Future Growth Prospects Ready-Mixed Concrete Market Demand for Ready-Mix Concrete Increases End-Use Consumption

Table 9. US Ready-Mix Concrete Market (2010): Percentage Share Breakdown ofConsumption Value by End-Use Segment for Commercial & Industrial, Street &Highway, Residential, and Other Public Works

Ready-Mixed Concrete Market – A Recent Past Perspective

Table 10. US Ready-Mixed Concrete Market (2010): Percentage Breakdown of Value



Sales by Company for Cemex, HeidelbergCement and Others

Concrete Admixtures Market

Table 11. US Concrete Admixtures Market (2009 & 2010): Percentage Breakdown ofValue Sales by Segment for Water Reducers, Retarders, Accelerators and Air-Entrainers

US Precast Concrete Market to Grow Faster Compared to Other Materials Precast Concrete Market

Table 12. US Precast Concrete Market (2010): Percentage Breakdown of Volume Salesby End-Use Application - Parking, Bridges, Offices, Schools and Others

Gypsum Market Overview Market Analysis

Table 13. US Gypsum Market (2010-2015): Annual Consumption Figures in ThousandMetric Tons

Table 14. US Gypsum Market (2010): Percentage Breakdown of Volume Consumptionby End-Use Segment for Wallboard and Plaster Products, Cement, Agriculture Usesand Others

Table 15. US Gypsum Products Market (2010): Percentage Breakdown of Value Salesby Company for USG Corporation, Compagnie de Saint-Gobain, Koch Industries, EagleMaterials, Lafarge North America, Temple-Inland and Others

Demand for Gypsum to Bounce Back Construction Industry: A Major Growth Driver Gypsum Market – Key Statistics Production Scenario

Table 16. US Crude Gypsum Market (2005-2010): Mine Production in Thousand Metric



Tons

Competitive Climate

Table 17. US Gypsum Market (2009): Leading Manufacturers by Production Capacity in

 Millions of Square Meters

Exports and Imports Scenario

Table 18. US Gypsum Imports: 2005-2009

Table 19. US Gypsum Exports: 2005-2009

Wallboard Market

Table 20. US Wallboard Market (2010): Percentage Breakdown of Production Capacity of Leading Players – USG Corporation, National Gypsum, Koch Industries, Certain Teed, American Gypsum, and Others

Table 21. US Wallboard Market (2010): Percentage Breakdown of VolumeConsumption by End-Use Segment for New Residential, Residential Renovation, NewNon-Residential and Non-Residential Renovation

Growing Use of Desulphurised Gypsum for Wallboard Production Production Statistics Concrete

Table 22. US Concrete Market (2007-2010): Percentage Breakdown of VolumeProduction by Product Segment - Ready- Mixed Concrete, Precast or PrestressedConcrete and Others

Ready-Mixed Concrete

Table 23. US Ready-Mixed Concrete Market (2008-2010): Annual Production Figures in



Million Cubic Meters

Precast Concrete

Table 24. US Precast Concrete Market (2010): Percentage Breakdown of ProductionVolume by End-Use Segment - Architectural/Structural, Utility and Architecture WallPanels

Gypsum

Table 25. US Gypsum Market (2007-2010): Percentage Breakdown of ProductionVolume by Product Segment – Calcined Gypsum, Mined or Crude Gypsum andSynthetic Gypsum

Trade Statistics Ready Mixed Concrete

Table 26. US Ready-Mixed Concrete Market (2006-2010): Annual Imports and ExportsStatistics in US\$ Million

Gypsum & Anhydride

Table 27. The US Gypsum & Anhydride Annual Exports (in US\$ Thousands) byCountry of Destination: 2009 Vs. 2010

Table 28. US Gypsum & Anhydride Annual Imports Statistics by Country in US\$Thousand

US Construction Sector – An Overview

Table 29. US Construction Market (2007-2010): Percentage Breakdown of Construction Value by Segment for Single Family Housing, Multifamily Housing, Public Works, Institutional Buildings, Commercial Buildings, Manufacturing Buildings, and Electric Utilities



Gloomy Housing Industry in the Recent Years

Table 30. US Residential Construction Market (2007-2010): Number of New HousingStarts in Thousand Units

Falling Demand for Products Used in Nonresidential Construction

Table 31. US Residential Construction Market (2007-2009): Annual Sales of ExistingHomes in Thousand Units

1B.CANADA

Concrete Market – An Overview

Table 32. Canadian Concrete Market (2010-2015): Annual Consumption Figures inThousand Metric Tons

Gypsum Market

Table 33. Canadian Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons

Table 34. Canadian Gypsum Market (2008-2010): Mine Production of Gypsum inThousand Metric Tons

Regulations

2.EUROPE

Concrete Market Analysis

Table 35. European Recent Past, Current, and Future Analysis for Concrete by Geographic Region –France, Germany, Italy, UK and Rest of Europe Markets



Independently Analyzed with Annual Consumption in Million Metric Tons for Years 2010 through 2015

Table 36. European 5-Year Perspective for Concrete by Geographic Region –Percentage Breakdown of Volume Consumption for France, Germany, Italy, UK andRest of Europe Markets for Years 2011 & 2015

Investments Drive Precast Concrete Products Market Concrete Admixtures Market - An Overview Innovation - Key for Industry Players Gypsum Market

Table 37. European Recent Past, Current, and Future Analysis for Gypsum byGeographic Region –France, Germany, Italy, UK and Rest of Europe MarketsIndependently Analyzed with Annual Consumption in Million Metric Tons for Years 2010through 2015

Table 38. European 5-Year Perspective for Gypsum by Geographic Region –Percentage Breakdown of Volume Consumption for France, Germany, Italy, UK andRest of Europe Markets for Years 2011 & 2015

Table 39. European Gypsum Market (2007, 2008 & 2009): Mine Production of Gypsumin Million Metric Tons by Select Country - Spain, Italy, France, Germany, and UK

Plasterboard Market

Table 40. European Plasterboard Market (2010): Percentage Breakdown of ValueSales by Company for Saint-Gobain, Lafarge, Knauf and Others

Favorable Signs for European Plasterboard Market Plasterboard Demand to Grow Steadily Through 2015 Ready-Mixed Concrete Production

Table 41. European Ready-Mixed Concrete Market (2009 & 2010): Percentage Breakdown of Production by Country – Turkey, Italy, Spain, Russia, Germany, France, Poland, Greece, United Kingdom, Switzerland and Others



2A.FRANCE

Analysis of the French Concrete Market

Table 42. French Concrete Market (2010-2015): Annual Consumption Figures in MillionMetric Tons

Ready-Mixed Concrete Market

Table 43. French Ready-Mixed Concrete Market (2006-2010) Annual ProductionFigures in Thousand Cubic Meters

French Gypsum Market

Table 44. French Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons

2B.GERMANY

Analysis of the German Concrete Market

Table 45. German Concrete Market (2010-2015): Annual Consumption Figures inMillion Metric Tons

Ready-Mixed Concrete Market

Table 46. German Ready-Mixed Concrete Market (2006-2010): Annual ProductionFigures in Thousand Cubic Meters

German Gypsum Market

Table 47. German Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons



2C.ITALY

Analysis of the Italian Concrete Market

Table 48. Italian Concrete Market (2010-2015): Annual Consumption Figures in MillionMetric Tons

A Historic Perspective Ready-Mixed Concrete Market

Table 49. Italian Ready-Mixed Concrete Market (2006-2010): Annual ProductionFigures in Thousand Cubic Meters

Table 50. Italian Ready-Mixed Concrete Market (2010): Percentage Breakdown ofReady-Mix Concrete Consumption by End-Use Segment

Recession Hampers Italy's Construction Industry Italian Gypsum Market

Table 51. Italian Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons

2D.THE UNITED KINGDOM

Concrete Market

Table 52. UK Concrete Market (2010-2015): Annual Consumption Figures in MillionMetric Tons

Production Statistics Concrete Products Concrete Blocks

Table 53. UK Concrete Blocks Market (2006-2010): Annual Production Figures in



Million Square Meters

Concrete Roofing Tiles

Table 54. UK Concrete Roofing Tiles Market (2006-2010): Annual Production Figures inMillion Square Meters

Ready-Mixed Concrete Market

Table 55. UK Ready-Mixed Concrete Market (2006-2010): Annual Production Figures inThousand Cubic Meters

The UK Gypsum Market

Table 56. UK Gypsum Market (2010-2015): Annual Consumption Figures in ThousandMetric Tons

2E.REST OF EUROPE

Concrete Market

Table 57. Rest of European Concrete Market (2010-2015): Annual ConsumptionFigures in Million Metric Tons

Gypsum Market

Table 58. Rest of European Gypsum Market (2010-2015): Annual Consumption Figuresin Thousand Metric Tons

Overview of Select European Market Spain Ready-Mixed Concrete Market



Table 59. Spanish Ready-Mixed Concrete Market (2008-2010): Annual ProductionFigures in Thousand Cubic Meters

Hungary Concrete, Plaster, and Cement Products Manufacturing Poland Construction Sector Overview Corporate Scenario: The Evolution Turkey Construction Sector - An Overview Czech Republic

3.ASIA-PACIFIC

Concrete Market

Table 60. Asia-Pacific Concrete Market (2010-2015): Annual Consumption Figures inMillion Metric Tons

Gypsum Market

Table 61. Asia-Pacific Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons

Mine Production Statistics

Table 62. Asia-Pacific Gypsum Market (2007-2010): Mine Production in Million MetricTons by Select Country - China, Thailand, Japan, Australia and India

Overview of Select Markets in the Asia-Pacific Region Australia Precast Concrete Market – An Overview China An Insight into the Chinese Concrete Industry Government Ban Benefits Ready-Mix Concrete Market Gypsum Market



Demand for Gypsum Products Increases Plasterboard Consumption on Rise India Consumption of Ready-Mixed Concrete to Grow Construction Sector Market Snapshots Indonesia Gypsum Board Market Overview Pricing and Distribution Thailand

Table 63. Thai Gypsum Market (2010): Percentage Breakdown of Value Sales byCompany for Siam Gypsum, Thai Gypsum and Others

Uncertainty Hits Housing Industry

4.LATIN AMERICA

Concrete Market

Table 64. Latin American Concrete Market (2010-2015): Annual Consumption Figuresin Million Metric Tons

Gypsum Market

Table 65. Latin American Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons

Overview of Select Latin American Markets Brazil Brazilian Production of Crude/Mined Gypsum

Table 66. Brazilian Gypsum Market (2006-2010): Mine Production in Million Metric Tons



Plasterboard Consumption in Brazil Mexico mexican Gypsum Market

Table 67. Mexican Gypsum Market (2007-2010): Mine Production in Million Metric Tons

5.REST OF WORLD

Concrete Market

Table 68. Rest of World Concrete Market (2010-2015): Annual Consumption Figures inMillion Metric Tons

Gypsum Market

Table 69. Rest of World Gypsum Market (2010-2015): Annual Consumption Figures inThousand Metric Tons



I would like to order

Product name: Concrete, Gypsum, and Plaster Products: Market Research Report Product link: <u>https://marketpublishers.com/r/C5AFF629FB1EN.html</u>

> Price: US\$ 1,995.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/C5AFF629FB1EN.html</u>