Shotcrete/Sprayed Concrete Market by Process, by Application, by System and by Region - Global Trends and Forecasts to 2020

Description:

"Shotcrete/Sprayed Concrete Market by Process (Wet - Mix & Dry - Mix), by Application (Underground Construction, Water Retaining Structures, Protective Coatings, Repair Works & Others), by System (Robotic & Manual) and by Region - Global Trends and Forecasts to 2020"

Shotcrete is a method of applying concrete that is generally self-supporting without the need for form work. Shotcrete is conveyed through a hose and pneumatically projected at high velocity onto a surface, as a construction technique. The key applications of shotcrete are tunnel linings, mining operations, rehabilitation works, refractory systems, and others. The demand for shotcrete is influenced by its versatile and innovative characteristics as it can be projected onto any shape of surface along with vertical and overhead areas.

Europe is the largest market for shotcrete, accounting for a significant share of around 37% of the global market by volume in 2014. Asia-Pacific is the fastest-growing market for shotcrete, in terms of volume. The increasing demand for underground transportation is to avoid traffic and save time. The innovations in materials, machinery & processing enabling shotcrete to compete in higher-value applications, such as tunneling, mining, retaining walls, and dams in order to fulfil the growing demand from highly populated regions like Europe and Asia.

Among the various applications, the underground construction segment dominated the shotcrete concrete market in 2014 due to the use of shotcrete in larger volumes for tunnel & mining projects and also for slope stabilization activities. Water retaining structures is the second-largest application segment and is expected to grow significantly between 2015 and 2020. Other applications of shotcrete include new construction and free formed structures.

Among processes, wet-mix concrete for shotcrete process segment dominated the market with nearly 80% market share by volume in 2014 and is expected to grow significantly from 2015 to 2020.

The shotcrete market is also segmented on the basis of system of spraying namely, robotic spraying system and manual spraying system. Robotic system accounts for the largest share of the market as it is mainly used to spray wet mix shotcrete, which is very heavy in weight and cannot be sprayed manually.

This study aims to estimate the market size of shotcrete process in 2015 in terms of volume and value and project its demand by 2020. This market research study provides a detailed qualitative and quantitative analysis of the global shotcrete/sprayed concrete market. It provides a comprehensive review of the key drivers, restraints, opportunities, and burning issues in the market. The market is segmented and projected by region into Europe, North America, Asia-Pacific, and RoW, which are further segmented by key countries in each region.

We have used different secondary sources, such as company websites, encyclopedia, directories, and databases to identify and collect information that are useful for this extensive commercial study of the global shotcrete/sprayed concrete market. The primary sources, which include experts from related industries, have been interviewed to verify and collect critical information as well as to assess the future prospects of the market.

The report also includes profiles of various market players, such as, BASF SE, Sika AG, Heidelberg Cement AG, The Euclid Chemical Company, and CEMEX S.A.B. De C.V., among others.

Scope of the Report:

This research report categorizes the market for shotcrete/sprayed concrete on the basis of process, application, system, and region and provides forecast of market growth and analysis of trends in each of the submarkets.

On the Basis of Process:
The shotcrete/sprayed concrete market is segmented on the basis of process into dry-mix concrete process and wet-mix concrete process. Each process is further described in detail in the report with value and volume forecasts till 2020.

On the Basis of Application:

The shotcrete/sprayed concrete market is segmented on the basis of applications that include underground construction, water retaining structures, protective coatings, repair works and others. Each application is further described in detail in the report with value and volume forecasts till 2020.

On the Basis of System:

The shotcrete/sprayed concrete market is segmented on the basis of system into robotic system and manual system. Each system type is further described in detail in the report with value and volume forecasts till 2020.

On the Basis of Region:

The shotcrete/sprayed concrete market is segmented by regions into Europe, North America, Asia-Pacific, and RoW. They are further segmented by key countries in each region that include Germany, Italy, Norway, Sweden, Austria, Switzerland, U.K., U.S., Canada, Mexico, China, Japan, Australia, India, U.A.E, Peru, Chile, Qatar, Columbia, and Brazil.
5.3.1 By Process
5.3.2 By System
5.3.3 By Application
5.3.4 By Region
5.4 Market Dynamics
5.4.1 Drivers
   5.4.1.1 Increasing Demand in the Underground/Tunnel Construction Industry
   5.4.1.2 Strong Demand in Europe and Asia
   5.4.1.3 Advancements in Shotcrete Equipment and Material
5.4.2 Restraint/Challenges
   5.4.2.1 Lack of Availability of Trained Professionals
   5.4.2.2 Unstable Economic Cycles
5.4.3 Opportunities
   5.4.3.1 Increasing Demand for Low-Cost Housing
5.5 Burning Issues
   5.5.1.1 Under-Qualified Contractors

6 Industry Trends
6.1 Introduction
6.2 Pricing Trend Analysis
6.3 Value-Chain Analysis
6.4 Raw Material Analysis
   6.4.1 Cement
   6.4.2 Silica Fume
   6.4.3 Accelerators
   6.4.4 Plasticizers
   6.4.5 Fiber
   6.4.6 Aggregates
   6.4.7 Water
6.5 Industry Trends
6.6 Porter's Five Forces Analysis
   6.6.1 Threat of New Entrants
   6.6.2 Threat of Substitutes
   6.6.3 Bargaining Power of Suppliers
   6.6.4 Bargaining Power of Buyers
   6.6.5 Intensity of Competitive Rivalry
6.7 Strategic Benchmarking
   6.7.1 Mergers & Acquisitions Activities is the Most Commonly Used Strategy, By Market Players
   6.7.2 New Product Launch: Emerging Strategy to Increase Customer Base

7 Shotcrete/Sprayed Concrete Market, By Process
7.1 Introduction
7.2 Wet-Mix Shotcrete Process
7.3 Dry-Mix Shotcrete Process

8 Shotcrete/Sprayed Concrete Market, By System
8.1 Introduction
8.2 Robotic Spraying System
8.3 Manual Spraying System

9 Shotcrete/Sprayed Concrete Market, By Application
9.1 Introduction
9.2 Underground Construction
9.3 Water Retaining Structures
9.4 Repair and Restoration
9.5 Protective Coatings
9.6 Others

10 Shotcrete/Sprayed Concrete Market, By Region
10.1 Introduction
10.2 Europe
   10.2.1 Germany
   10.2.2 Italy
10.2.3 Switzerland
10.2.4 Austria
10.2.5 Norway
10.2.6 Sweden
10.2.7 U.K.
10.2.8 Rest of Europe
10.3 Asia-Pacific
  10.3.1 China
  10.3.2 Japan
  10.3.3 Australia
  10.3.4 India
  10.3.5 Rest of Asia-Pacific
10.4 North America
  10.4.1 U.S.
  10.4.2 Canada
  10.4.3 Mexico
10.5 Rest of the World: Emerging Market
  10.5.1 Brazil
  10.5.2 Peru
  10.5.3 Qatar
  10.5.4 Colombia
  10.5.5 Chile
  10.5.6 Others

11 Competitive Landscape
  11.1 Introduction
  11.2 Competitive Situation and Trends
  11.3 New Product Launches
  11.4 Mergers & Acquisitions
  11.5 Agreements, Collaborations, & Others
  11.6 Expansions

12 Company Profiles
  12.1 Introduction
  12.2 BASF SE
    12.2.1 Business Overview
    12.2.2 Products Offered
    12.2.3 Recent Developments
    12.2.4 SWOT Analysis
    12.2.5 MnM View
  12.3 Cemex S.A.B. De C.V.
    12.3.1 Business Overview
    12.3.2 Products Offered
    12.3.3 Recent Developments
    12.3.4 SWOT Analysis
    12.3.5 MnM View
  12.4 Sika AG
    12.4.1 Business Overview
    12.4.2 Products Offered
    12.4.3 Recent Developments
    12.4.4 SWOT Analysis
    12.4.5 MnM View
  12.5 Heidelbergcement AG
    12.5.1 Business Overview
    12.5.2 Products Offered
    12.5.3 Recent Developments
    12.5.4 MnM View
  12.6 Lkab Berg & Betong AB
    12.6.2 Products Offered
    12.6.3 Recent Developments
    12.6.4 MnM View
  12.7 Custom-Crete Inc.
    12.7.1 Business Overview
12.7.2 Products Offered
12.7.3 Recent Developments
12.7.4 MnM View
12.8 Five Star Products Inc.
12.8.1 Business Overview
12.8.2 Products Offered
12.9 Fox Industries Inc.
12.9.1 Business Overview
12.9.2 Products Offered
12.9.3 MnM View
12.10 The Euclid Chemical Company
12.10.1 Business Overview
12.10.2 Products Offered
12.10.3 Recent Developments
12.10.4 MnM View
12.11 IPA Systems, Inc.
12.11.1 Business Overview
12.11.2 Products Offered
12.11.3 Recent Developments
12.11.4 Recent Developments
12.12 Strata Worldwide, L.L.C
12.12.1 Recent Developments
12.13 Unibeton Ready Mix L.L.C.
12.13.1 Recent Developments
12.14 Thiessen Team USA, Inc.
12.15 J.E. Tomes & Associates, Inc.
12.16 Conmix Ltd.
12.16.1 Recent Developments
12.17 Prestige Concrete Products
12.18 Quikrete Companies, Inc.
12.20.1 Recent Developments
12.19 Superior Gunite, Inc
12.19.1 Recent Developments
12.20 U.S. Concrete, Inc.
12.20.1 Recent Developments
12.21 U.S. Concrete Products (USCP)
12.22 Holcim Ltd.
12.22.1 Recent Developments

13 Appendix
13.1 Insights From Industry Experts
13.2 Discussion Guide
13.3 Introducing RT: Real Time Market Intelligence
13.4 Available Customizations
13.5 Related Reports

List of Tables

Table 1 Shotcrete/Sprayed Concrete Market, By Process
Table 2 Shotcrete/Sprayed Concrete Market, By System
Table 3 Shotcrete/Sprayed Concrete Market, By Application
Table 4 Impact Analysis of Drivers
Table 5 Impact Analysis of Restraints
Table 6 Impact Analysis of Opportunities
Table 7 Properties Dry-Mix vs Wet-Mix Process
Table 8 Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 9 Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 10 Shotcrete/Sprayed Concrete Market Size in Wet-Mix Shotcrete Process, By Region, 2013-2020 (USD Million)
Table 11 Shotcrete/Sprayed Concrete Market Size in Wet-Mix Shotcrete Process, By Region, 2013-2020 (Thousand Cubic Meter)
Table 12 Shotcrete/Sprayed Concrete Market Size in Dry-Mix Process Shotcrete, By Region, 2013-2020 (USD Million)
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Date Range</th>
<th>Unit</th>
<th>Currency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 13</td>
<td>Shotcrete/Sprayed Concrete Market Size in Dry-Mix Shotcrete, By Region, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td>USD Million</td>
</tr>
<tr>
<td>Table 14</td>
<td>Shotcrete/Sprayed Concrete Market Size, By System, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 15</td>
<td>Shotcrete/Sprayed Concrete Market Size, By System, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 16</td>
<td>Shotcrete/Sprayed Concrete Market Size in Robotic System, By Region, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 17</td>
<td>Shotcrete/Sprayed Concrete Market Size in Robotic System, By Region, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 18</td>
<td>Shotcrete/Sprayed Concrete Market Size in Manual System, By Region, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 19</td>
<td>Shotcrete/Sprayed Concrete Market Size in Manual System, By Region, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 20</td>
<td>Shotcrete: Industry and Applications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table 21</td>
<td>Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 22</td>
<td>Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meters</td>
<td></td>
</tr>
<tr>
<td>Table 23</td>
<td>Shotcrete/Sprayed Concrete Market Size in Underground Construction, By Region, 2013 - 2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 24</td>
<td>Shotcrete/Sprayed Concrete Market Size in Underground Construction, By Region, 2013 - 2020</td>
<td></td>
<td>Thousand Cubic Meters</td>
<td></td>
</tr>
<tr>
<td>Table 25</td>
<td>Shotcrete/Sprayed Concrete Market Size in Water Retaining Structures, By Region, 2013 - 2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 26</td>
<td>Shotcrete/Sprayed Concrete Market Size in Water Retaining Structures, By Region, 2013 - 2020</td>
<td></td>
<td>Thousand Cubic Meters</td>
<td></td>
</tr>
<tr>
<td>Table 27</td>
<td>Shotcrete/Sprayed Concrete Market Size in Repair and Restoration, By Region, 2013 - 2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 28</td>
<td>Shotcrete/Sprayed Concrete Market Size in Repair and Restoration, By Region, 2013 - 2020</td>
<td></td>
<td>Thousand Cubic Meters</td>
<td></td>
</tr>
<tr>
<td>Table 29</td>
<td>Shotcrete/Sprayed Concrete Market Size in Protective Coatings, By Region, 2013 - 2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 30</td>
<td>Shotcrete/Sprayed Concrete Market Size in Protective Coatings, By Region, 2013 - 2020</td>
<td></td>
<td>Thousand Cubic Meters</td>
<td></td>
</tr>
<tr>
<td>Table 31</td>
<td>Shotcrete/Sprayed Concrete Market Size in Other Applications, By Region, 2013 - 2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 32</td>
<td>Shotcrete/Sprayed Concrete Market Size in Other Applications, By Region, 2013 - 2020</td>
<td></td>
<td>Thousand Cubic Meters</td>
<td></td>
</tr>
<tr>
<td>Table 33</td>
<td>Shotcrete/Sprayed Concrete Market Size, By Region, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 34</td>
<td>Shotcrete/Sprayed Concrete Market Size, By Region, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 35</td>
<td>Europe: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 36</td>
<td>Europe: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 37</td>
<td>Europe: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 38</td>
<td>Europe: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 39</td>
<td>Europe: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 40</td>
<td>Europe: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 41</td>
<td>Germany: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 42</td>
<td>Germany: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 43</td>
<td>Germany: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 44</td>
<td>Germany: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 45</td>
<td>Italy: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 46</td>
<td>Italy: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 47</td>
<td>Italy: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 48</td>
<td>Italy: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 49</td>
<td>Switzerland: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 50</td>
<td>Switzerland: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 51</td>
<td>Switzerland: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 52</td>
<td>Switzerland: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 53</td>
<td>Austria: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 54</td>
<td>Austria: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 55</td>
<td>Austria: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 56</td>
<td>Austria: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
<tr>
<td>Table 57</td>
<td>Austria: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>USD Million</td>
<td></td>
</tr>
<tr>
<td>Table 58</td>
<td>Austria: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020</td>
<td></td>
<td>Thousand Cubic Meter</td>
<td></td>
</tr>
</tbody>
</table>
Table 59 Norway: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 60 Norway: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 61 Norway: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 62 Norway: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 63 Sweden: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 64 Sweden: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 65 Sweden: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 66 Sweden: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 67 U.K.: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 68 U.K.: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 69 U.K.: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 70 U.K.: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 71 Rest of Europe: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 72 Rest of Europe: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 73 Rest of Europe: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 74 Rest of Europe: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 75 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020 (USD Million)
Table 76 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020 (Thousand Cubic Meter)
Table 77 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 78 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 79 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 80 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 81 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By System, 2013-2020 (USD Million)
Table 82 Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By System, 2013-2020 (Thousand Cubic Meter)
Table 83 China: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 84 China: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 85 China: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 86 China: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 87 Japan: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 88 Japan: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 89 Japan: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 90 Japan: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 91 Australia: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020 (USD Million)
Table 92 Australia: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020 (Thousand Cubic Meter)
Table 93 Australia: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 94 Australia: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 95 India: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 96 India: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 97 India: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 98 India: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 99 Rest of Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 100 Rest of Asia-Pacific: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 101 Others: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 102 Others: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
Table 103 North America: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020 (USD Million)
Table 104 North America: Shotcrete/Sprayed Concrete Market Size, By Country, 2013-2020 (Thousand Cubic Meter)
Table 105 North America: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)
Table 106 North America: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)
Table 107 North America: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)
Table 108 North America: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>North America: Shotcrete/Sprayed Concrete Market Size, By System, 2013-2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>111</td>
<td>North America: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (USD Million)</td>
</tr>
<tr>
<td>112</td>
<td>North America: Shotcrete/Sprayed Concrete Market Size, By Process, 2013-2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>113</td>
<td>North America: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (USD Million)</td>
</tr>
<tr>
<td>114</td>
<td>North America: Shotcrete/Sprayed Concrete Market Size, By Application, 2013-2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>115</td>
<td>Canada: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>116</td>
<td>Canada: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>117</td>
<td>Canada: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>118</td>
<td>Canada: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>119</td>
<td>Mexico: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>120</td>
<td>Mexico: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>121</td>
<td>Mexico: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>122</td>
<td>Mexico: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>123</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By Country, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>124</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By Country, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>125</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>126</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>127</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>128</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>129</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By System, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>130</td>
<td>RoW: Shotcrete/Sprayed Concrete Market Size, By System, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>131</td>
<td>United Arab Emirates: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>132</td>
<td>United Arab Emirates: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>133</td>
<td>United Arab Emirates: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>134</td>
<td>United Arab Emirates: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>135</td>
<td>Brazil: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>136</td>
<td>Brazil: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>137</td>
<td>Brazil: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>138</td>
<td>Brazil: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>139</td>
<td>Peru: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>140</td>
<td>Peru: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>141</td>
<td>Peru: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>142</td>
<td>Peru: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>143</td>
<td>Qatar: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>144</td>
<td>Qatar: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>145</td>
<td>Qatar: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>146</td>
<td>Qatar: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>147</td>
<td>Colombia: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>148</td>
<td>Colombia: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>149</td>
<td>Colombia: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>150</td>
<td>Colombia: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>151</td>
<td>Chile: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>152</td>
<td>Chile: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>153</td>
<td>Chile: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>154</td>
<td>Chile: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
<tr>
<td>155</td>
<td>Others: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (USD Million)</td>
</tr>
<tr>
<td>156</td>
<td>Others: Shotcrete/Sprayed Concrete Market Size, By Process, 2013 - 2020 (Thousand Cubic Meter)</td>
</tr>
</tbody>
</table>
Table 157 Others: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (USD Million)
Table 158 Others: Shotcrete/Sprayed Concrete Market Size, By Application, 2013 - 2020 (Thousand Cubic Meter)
Table 159 New Product Launches and Development, 2011 - 2015
Table 160 Mergers & Acquisitions, 2010 - 2014
Table 161 Agreements & Collaborations, 2011 - 2015
Table 162 Expansions, 2011 - 2015

List of Figures

Figure 1 Shotcrete/Sprayed Concrete Market Segmentation
Figure 2 Shotcrete/Sprayed Concrete Market: Research Design
Figure 3 Market Size Estimation: Top-Down Approach
Figure 4 Market Size Estimation: Bottom-Up Approach
Figure 5 Data Triangulation Methodology
Figure 6 Wet-Mix Process to Dominate the Shotcrete/Sprayed Concrete Market, By Process, Between 2015 and 2020
Figure 7 Underground Construction is Dominated the Shotcrete/Sprayed Concrete Market, By Application, in 2014
Figure 8 European Shotcrete/Sprayed Concrete Market to Register the Fastest Growth Rate During the Projected Period
Figure 9 Europe Was the Largest Market of Shotcrete/Sprayed Concrete in 2014
Figure 10 Shotcrete/Sprayed Concrete Market to Register High Growth Between 2015 and 2020
Figure 11 The Market in Asia-Pacific is Projected to Grow at the Highest Rate, Between 2015 and 2020
Figure 12 Germany Accounted for the Largest Share of the European Shotcrete/Sprayed Concrete Market, By Process, 2014
Figure 13 Chile to Register the Highest Growth Rate During the Projected Period, Between 2015 and 2020
Figure 14 Underground Construction Segment Accounted for the Largest Share of the Market
Figure 15 China to Emerge as A Lucrative Market in Terms of Growth Rate, Between 2015 and 2020
Figure 16 Robotic System Segment has High Growth Potential in the Emerging Economies Between 2015 and 2020
Figure 17 Asia-Pacific has the Highest Growth Potential in the Shotcrete/Sprayed Concrete Market
Figure 18 Evolution of the Shotcrete/Sprayed Concrete Market
Figure 19 Wet-Mix Process Dominated the Shotcrete/Sprayed Concrete Market
Figure 20 Robotic System is Largest in the Shotcrete/Sprayed Concrete Market
Figure 21 Underground Construction Led the Shotcrete/Sprayed Concrete Market
Figure 22 Shotcrete/Sprayed Concrete Market Segmentation, By Region
Figure 23 Drivers, Restraints, and Opportunities in the Shotcrete/Sprayed Concrete Market
Figure 24 Shotcrete/Sprayed Concrete Market: Pricing Trend Analysis
Figure 25 Value-Chain Analysis: Major Value is Added During the Manufacturing Phase
Figure 26 Innovation and R&D are A Trend Among the Key Market Players
Figure 27 Porter's Five Forces Analysis
Figure 28 Strategic Benchmarking: Cemex S.A.B. De S.V. and U.S. Concrete Inc. Adopted Organic Growth Strategy
Figure 29 Strategic Benchmarking: U.S. Concrete Inc. With Major Acquisitions
Figure 30 Wet-Mix Process Dominates Shotcrete/Sprayed Concrete Market, 2015 vs 2020
Figure 31 Europe is the Largest Market for Wet-Mix Process
Figure 32 Asia-Pacific to Witness the Fastest Growth Rate of Wet-Mix Process Between 2015 and 2020
Figure 33 North America: the Fastest-Growing Region for Dry-Mix Process Between 2015 and 2020 (USD Million)
Figure 34 North America to Account for the Highest Share of Dry Mix Process Between 2015 and 2020 (Thousand Cubic Meter)
Figure 35 Robotic System is Projected to Drive the Shotcrete/Sprayed Concrete Market, By System 2015 vs 2020 (USD Million)
Figure 36 Europe to Register the Highest Share for Growth in Robotic System Segment for Shotcrete/Sprayed Concrete Market 2015 vs 2020 (USD Million)
Figure 37 Asia-Pacific to Emerge as A Fastest-Growing Market of Robotic System, 2015 vs 2020 (Thousand Cubic Meter)
Figure 38 Asia-Pacific to Account for the Largest Share in Manual System, 2015 vs 2020 (USD Million)
Figure 39 Asia-Pacific to Account for the Highest Growth Rate in Manual System, 2015 vs 2020 (Thousand Cubic Meter)
Figure 40 Underground Construction is Expected to Drive the Shotcrete/Sprayed Concrete Market, 2015 vs 2020
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: Shotcrete/Sprayed Concrete Market by Process, by Application, by System and by Region - Global Trends and Forecasts to 2020
Web Address: http://www.researchandmarkets.com/reports/3420857/
Office Code: SCPLQYV1

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

- Electronic (PDF) - Single User: □ USD 5650
- Electronic (PDF) - 1 - 5 Users: □ USD 6650
- Electronic (PDF) - Site License: □ USD 8150
- Electronic (PDF) - Enterprisewide: □ USD 10000

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

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World