Steel fibers

INOMIX

FIBER FUNCTION IN THE CONCRETE
Steel fibers are part of the SD Integrated concrete reinforcing system. They are produced in a wide range of dimensions and cover all the possible applications of the market (shotcrete for tunnels, slabs on grade, industrial floors). The fibers act on grain size of the concrete, add workability and provide three dimensional reinforcement. The fiber’s presence increases the total absorption of mechanical energy and provides the continuous and smooth deformation of the concrete.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>MATERIAL</th>
<th>FORM DIAMETER</th>
<th>PACKING WEIGHT</th>
<th>STANDARDS AND QUALITY CERTIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight hook-end</td>
<td>Cold drawn steel</td>
<td>Length</td>
<td>Paper bags of 20-30kg</td>
<td>ASTM A820 TYPE 1</td>
</tr>
<tr>
<td>fibers</td>
<td>wire of high</td>
<td>20-60mm</td>
<td>on pallets of approx. 1m</td>
<td></td>
</tr>
<tr>
<td>Undulated fibers</td>
<td>strength min 1100 MPa</td>
<td>Diameter 0.75-1.00mm</td>
<td>Bags of approx. 1m</td>
<td>EN 10016</td>
</tr>
</tbody>
</table>

Characteristics of fiber reinforced concrete
- Increased bending strength
- Crack control
- Increased impact strength
- Improved resistance in high temperatures
- Improved resistance to splitting and shattering
- Improved toughness
- Improved compression strength after the first crack
- Low maintenance cost and prolonged construction usage
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<td>Cold drawn steel wire of high</td>
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<td>Paper bags of 20-30kg on pallets of approx. 1t</td>
<td>ASTM A620 TYPE 1 EN 10210</td>
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<td>Undulated fibers</td>
<td>strength min 1100 MPa</td>
<td>Diameter</td>
<td>Bags of approx. 6m</td>
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