DX51D galvanized coils for cold forming

Product description
DX51D cold rolled galvanized coils are used for cold forming by bending and profiling. DX51D galvanized coils are produced according to EN 10346. The thickness of the zinc coating varies depending on consumers' requirements.

Application
DX51D galvanized coils are widely used for the production of steel structures, roofs, window profiles, drainage and ventilation systems, roads barriers, bridges, and household appliances (cases and internal parts).

Available dimensions
DX51D steel products are produced in coils 0.4-1.6 mm thick and 950-1250 mm wide. The inner diameter of the coil is 600±20 mm and outer diameter is up to 1300 mm. Coil weight is up to 8 tons. Coils are supplied with cut edges (mill edges are also possible).

<table>
<thead>
<tr>
<th>Thickness, mm</th>
<th>Width, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40-0.49</td>
<td>950-1000</td>
</tr>
<tr>
<td>0.50-1.60</td>
<td>950-1250</td>
</tr>
</tbody>
</table>

Note. Tolerances for dimensions and shapes are outlined in EN 10143 (tolerances for width are for coils a minimum of 0.7 mm thick)

Chemical composition and mechanical properties according to EN 10346

<table>
<thead>
<tr>
<th>Steel grade number</th>
<th>Coating symbol</th>
<th>Chemical composition (Ladle analysis), max. %</th>
<th>Mechanical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>Si</td>
</tr>
<tr>
<td>1.0226</td>
<td>+Z</td>
<td>0.18</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Weight of zinc coating

<table>
<thead>
<tr>
<th>Coating designation</th>
<th>Standard</th>
<th>Coating mass per 1 sq m, both surface, g</th>
<th>Coating thickness, g/sq m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z140</td>
<td>EN 10346</td>
<td>Min 140</td>
<td>From 7 to 15 inclusive</td>
</tr>
<tr>
<td>Z275</td>
<td>EN 10346</td>
<td>Min 275</td>
<td>From 15 to 27 inclusive</td>
</tr>
<tr>
<td>Z350</td>
<td>EN 10346</td>
<td>Min 350</td>
<td>From 19 to 33 inclusive</td>
</tr>
</tbody>
</table>

Note. Requirements for forming and weldability of finished products should be taken into consideration when ordering the weight of zinc coating.
Surface quality
Products can be delivered with a spangle pattern: N
Surface quality: À
Surface treatment: chemical passivation (C)

Contacts
Sales to Ukraine
Metinvest-SMC, LLC
15A Leiptyzka str., Kyiv
01015, Ukraine
tel. +38 (044) 581 44 37
tel. 0 800 303 070
sales@metinvest-smc.com

Sales to the Russian Federation
Metinvest Eurasia, LLC
17 Vereyskaya Street, Office 105,
121357, Moscow, Russia
phone: +7 495 739 26 26
sales@metinvest-eurasia.com

Sales to Export Markets
Metinvest International
2 Rue Vallin, Geneva,
1201, Switzerland
phone: +41 22 906 18 28
sales@metinvest-international.com