

## Hot-dip galvanized coils for cold forming

### Product description

DX51D and DX52D cold rolled galvanized coils are used for cold forming by bending and profiling. These products are fabricated according to EN 10346. The thickness of the zinc coating varies depending on consumers' requirements.

### Application

DX51D and DX52D 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 and DX52D steel products are produced in coils 0.32-2.0 mm thick and 950-1250 mm wide. Tolerances on dimensions and shape are according to EN 10143.

The inner diameter of the coil is 600±20 mm. Coil weight is up to 15 tons.

Thickness, mm	Width, mm
0,32 - 0,38	950 - 1000
0,40 - 2,00	950 - 1250

**Notes:** Dimensions and technical requirements of flat products should be agreed during the conclusion of contracts. Sheet and strip (cut from coils) are available by agreement.

### Chemical composition of steel grades according to EN 10346 (ladle analysis)

Steel grade	Steel number	Coating symbol	Content of element, max. %					
			C	Si	Mn	P	S	Ti
DX51D	1.0226	+Z	0,18	0,50	1,20	0,12	0,045	0,30
DX52D	1.0350	+Z	0,12	0,50	0,60	0,10	0,045	0,30

### Mechanical properties of galvanized products

Steel grade	Yield strength Re, MPa	Tensile strength Rm, MPa	Elongation A80, min. %
DX51D	-	270-500	22
DX52D	140-300	270-420	26

## Weight of zinc coating

Coating designation	Minimum total coating mass (triple spot test), both surface, g/m <sup>2</sup>	Coating thickness, μm
Z100	100	5-12
Z140	140	7-15
Z200	200	10-20
Z225	225	11-22
Z275	275	13-27

**Notes.** Other coating classes should be agreed during the conclusion of contracts. 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 normal spangle (N) or minimized spangle (M)

Surface quality –as coated surface (A)

Surface treatment/protection: chemical passivation (C)



[www.metinvestholding.com](http://www.metinvestholding.com)