

## DX51D

Hot-dipped galvanised and pre-painted  
mild steel grades for cold forming

Material no.	1.0226
according to	DIN 17162/1
	DIN EN 10327

### Chemical composition

(in percent by weight)

	min.	max.
C		0.120 %
Si		0.500 %
Mn		0.600 %
P		0.100 %
S		0.045 %
Ti		0.300 %

### Mechanical properties <sup>1)</sup>

Tensile strength $R_m$	270 – 500 MPa
Total elongation $A_{80}$	≥ 22 %

The samples for the tensile test are taken at right angles to rolling direction unless the product width is opposed to this.

<sup>1)</sup> All given mechanical properties refer to the carrier material before painting.

### Available dimensions <sup>1)</sup>

Thickness in mm	Width in mm
0.40 – 0.44	900 – 1,440
0.45 – 0.57	900 – 1,590
0.58 – 0.70	900 – 1,750
0.71 – 3.00	900 – 1,850

<sup>1)</sup> The maximum cross-section (product: width x thickness) may not exceed 3,000 mm<sup>2</sup>.

### Coating systems

#### Varnish <sup>1)</sup>

SP	Polyester (interior and exterior)
SP-PA	Polyamide modified polyester
HDP	High durable polyester
HDP-PA	polyamide mod. high dur. polyester
PVDF	Polyvinylidenfluoride
PUR	Polyurethane
PUR-PA	polyamide modified polyurethane
EP	Epoxide

#### Foils <sup>2)</sup>

PVC (F)	Polyvinylfluoride foil
PVF (F)	Polyvinylfluoride foil tedlar®

<sup>1)</sup> Further steel grades with coating systems on request.

<sup>2)</sup> Foils available only single-sided.