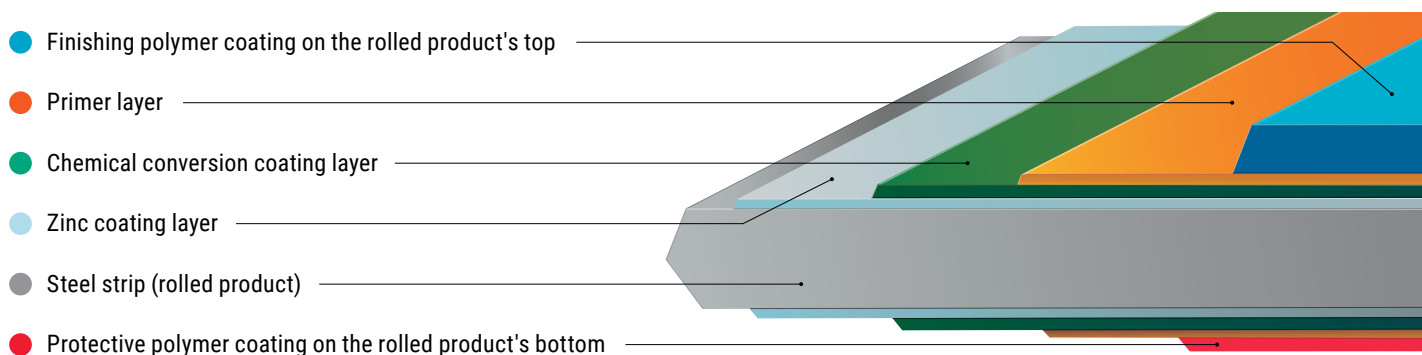


PRODUCT MIX

Thickness of substrate (rolled products)	0.35–2.0 mm
Rolled product width	900–1,800 mm
Coil inner diameter	500 mm, 600 mm
Weight of commercial coils	3–15 tons
Sheet length	1,500–3,500 mm
Weight of sheet bundles	up to 10 t

PRE-PAINTED STEEL STRUCTURE



QUALITY INDICATORS OF POLYMER COATINGS

Indicator*	Type of polymer coating			
	Polyester	Polyurethane	PVDF	Epoxy-polyester**
Thickness, μm	25–35	35–50	25–40	10–18
T-bend strength	≤ 2.0	≤ 1.0	≤ 1.5	≤ 3
Erichsen elasticity, mm	≥ 6	≥ 8	≥ 7	not rated
Backward impact strength, J	≥ 10	≥ 10	≥ 10	≥ 5
Pencil hardness	F–H	H–2H	F–H	not rated
Color difference (ΔE)	≤ 1	≤ 1	≤ 1	not rated
Surface texture	smooth*** textured rippled	rippled textured	smooth	smooth textured
Gloss	deep matt semi-matt high-gloss	deep matt semi-gloss	deep matt semi-matt	not rated

* Test methods as per GOST 34180, DIN EN 13523

** Coating on the rolled product's bottom

*** For white goods manufacturing

At the customer's request, other quality indicator values are possible. When producing one-side pre-painted steel, protective polymer coating is applied onto the back side. When producing two-side pre-painted steel, polymer coating is applied on the back side similar to the top side.