

PRE-PAINTED STEEL

**Product
Catalogue**





ABOUT NLMK GROUP

Steel is a unique product that underpins most of the world around us: from children's toys to skyscraper frames and hulls of large ships.

NLMK Group is one of the most competitive steelmaking companies in the world. We remain a reliable technology partner for thousands of customers by continuously developing our portfolio of products and services.

NLMK lays the foundation for its customers to create advanced products and solutions. This is our contribution to a sustainable future.

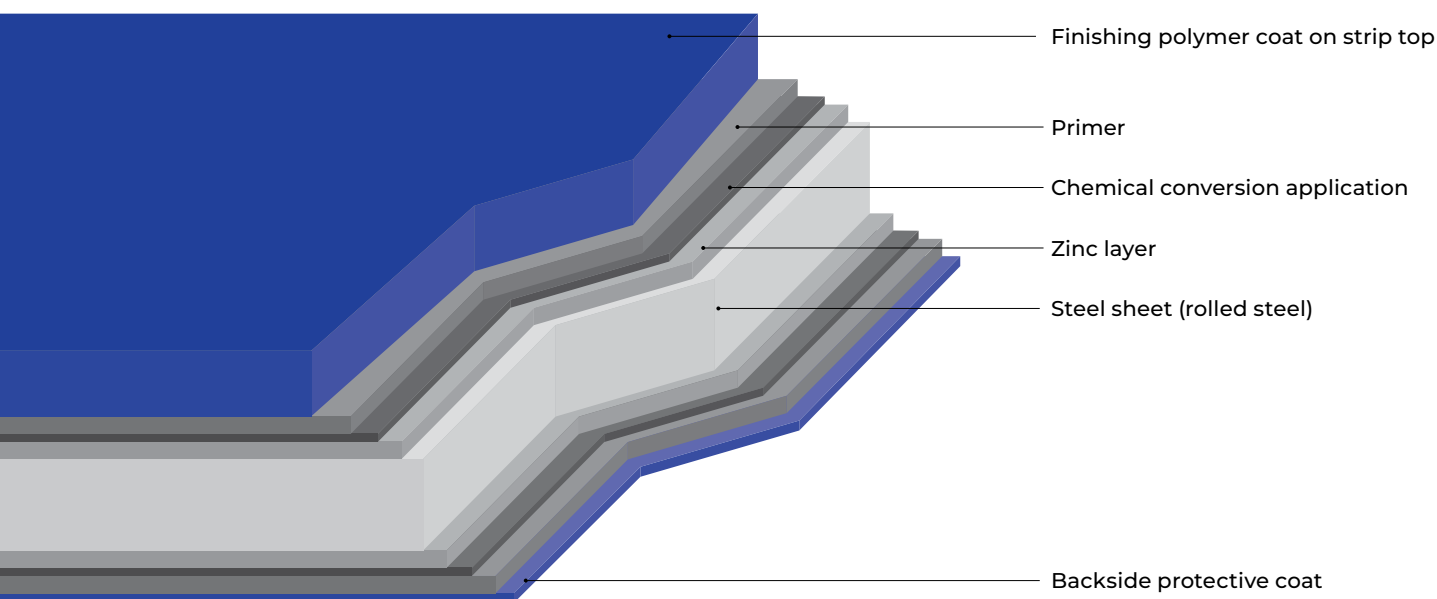
PRODUCT MIX

Basic steel grade under GOST 14918-2020	02
Thickness of substrate (rolled steel)	0.35–2.0 mm
Width	900–1800 mm
Coil ID	500, 600 mm
Commercial coil weight	3–15 t
Sheet length	1500–3500 mm
Sheet bundle weight	up to 10 t

For specification of the product mix and sizes, see the Galvanized Steel Catalogue

STRUCTURE OF PRE-PAINTED STEEL

The multi-layer composition of the coated sheet ensures the highest quality of roofing and cladding materials as well as their premium look and durability. The base, which is a steel strip up to 2 mm thick, is coated on each side with layers of zinc galvanization and chemical conversion as well as primer. The face receives also a finishing coat, and the back — an extra protective coat. This structure produces excellent protective and decorative properties.



TYPES OF TEXTURE FINISHES



TEXTURED

- **Surface gloss:** matte, semi-matte, semi-gloss

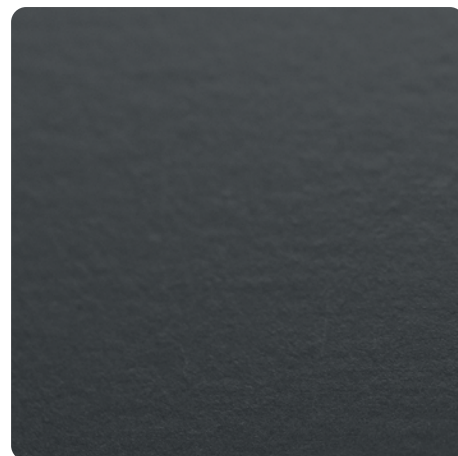
Our textured finishes are a perfect fit for those who seek harmony, aesthetics and durability. Its semi-coarse relief surface is achieved with a specialized texture agent — polyamide granules. This finish provides additional mechanical toughness as well as the improved looks.



WRINKLED

- **Surface gloss:** deep matte

A sophisticated solution for a rich and stylish design. During application the coating first forms a smooth finish, which then during drying produces a relief surface of soft folds of uniform gloss. An unusual coat, this finish arrests attention for improved functional and aesthetic value.

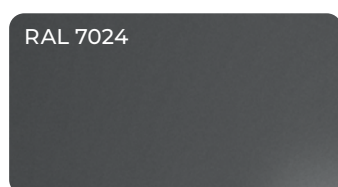


SMOOTH

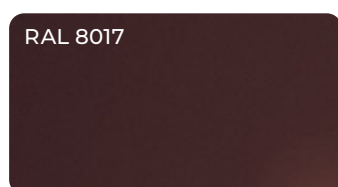
- **Surface gloss:** matte, semi-matte, semi-gloss, gloss

The ultimate coat for elegant minimalism, this smooth finish is made with high quality materials. It offers an impeccable, perfectly clean surface. The coat's resistance to dirt and ease of maintenance make roofs more attractive and convenient to own.

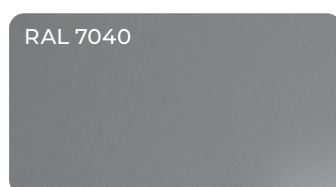
COLOR RANGE



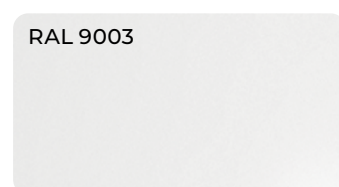
Graphite Grey



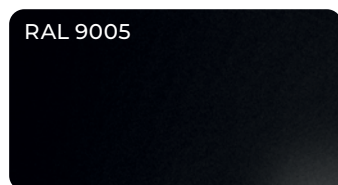
Chocolate Brown



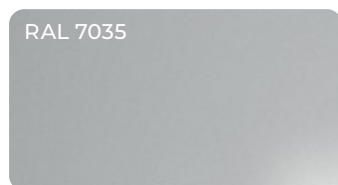
Window Grey



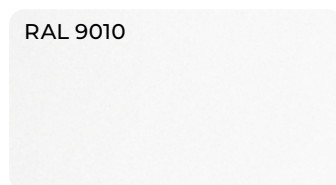
Signal White



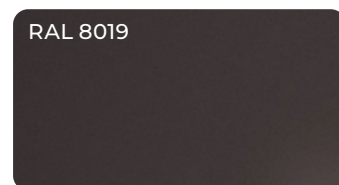
Jet Black



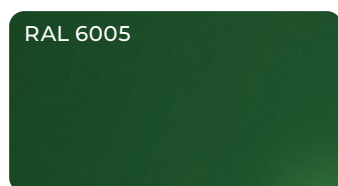
Light Grey



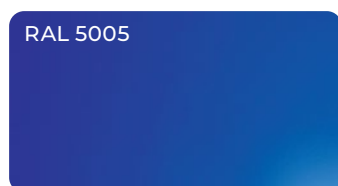
Pure White



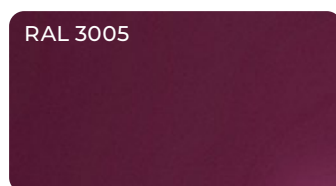
Grey Brown



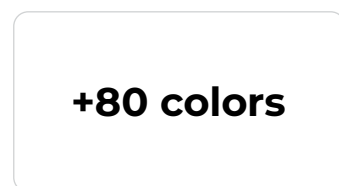
Moss Green



Signal Blue



Wine Red



+80 colors

TYPES AND CHARACTERISTICS OF COATINGS

PRIME polyurethane coatings

Durability and perfect looks

Roofing and cladding materials manufactured from Prime steel sheets by NLMK make the boldest architecture a reality. NLMK's Prime line offers a wide selection of colours, rich textures, high resistance to corrosion and discolouration.



ADVANTAGES

- **Supreme aesthetic** Rich textures and wide selection of colours
- **Durable colour** High UV resistance and colour longevity (RUV-4) with a 25-year no-fade guarantee*
- **Corrosion resistance** Guaranteed resistance to through corrosion up to 45 years* due to thicker zinc layer of 275 g/m²
- **High performance** Great formability, resistance to cracking and scratching, suitability to installation in negative temperature environments
- **Dirt resistance** Ease and convenience of maintenance
- **Eco-friendliness** Suitable for both exterior and interior residential finishes

APPLICATIONS

- **Roofing systems:** seam roofing, metal shingles, water drainage
- **Cladding materials:** facade panels, sandwich panels, corrugated sheets

Glossiness	Texture	Zn mass, g/m ²	Corrosion resistance	Coating thickness, μm	UV resistance	T-bend strength
Semi-gloss Semi-matte	Textured	200–275	RC4	35	≥RUV 4	0.5–1.0
		200–275	RC5	50	≥RUV 4	0.5–1.0
Deep matte	Wrinkled	200–275	RC4	35	≥RUV 4	0.5–1.0
		200–275	RC5	50	≥RUV 4	0.5–1.0

* In moderate climates

COMFORT polyester coatings

Function and beauty

Roofing materials manufactured from Comfort steel sheets by NLMK make your home functional and comfortable. NLMK's Comfort line offers high corrosion resistance, formability, a wide selection of colours and optimal value for money.



WE GUARANTEE*

Aesthetic durability up to

15
YEARS

Resistance to pitting corrosion up to

28
YEARS

ADVANTAGES

- **Wide selection of colours** Diversity of colours and textures
- **Corrosion resistance** Guaranteed resistance to through corrosion up to 28 years* due to zinc layer thickness of 140 g/m²
- **Colour durability** High UV resistance and colour longevity (RUV-2-4) up to 15 years guaranteed*
- **Eco-friendliness** Suitable for both exterior and exterior residential finishes

APPLICATIONS

- **Roofing systems:** seam roofing, metal shingles, water drainage
- **Cladding materials:** facade panels, sandwich panels, corrugated sheets

Glossiness	Texture	Zn mass, g/m ²	Corrosion resistance	Coating thickness, µm	UV resistance	T-bend strength
Gloss Semi-matte	Smooth	140-100-275	RC3	25	RUV 2-3	1.5–2.0
Deep matte	Wrinkled Coral	140-100-275	RC3	25	RUV 4	1.5–2.0
Semi-matte Matte	Textured	140-100-275	RC3	28	RUV 2-3	0.5–1.0

* In moderate climates

PRO polyurethane coating with improved chemical resistance

Hi-tech and reliability

The PRO line of products offers high chemical resistance making these sandwich panels, facades and corrugated sheets the optimal solution for structures exposed to aggressive environments and large amounts of UV radiation.



WE GUARANTEE*

Aesthetic durability up to

25
YEARS

Resistance to pitting corrosion up to

45
YEARS

ADVANTAGES

- **Suitable for aggressive environments** Improved chemical, thermal and dirt resistance due to specialized coating composition and thickness of 50 µm
- **Corrosion resistance** High resistance to through corrosion up to 45 years* due to thicker zinc coating of 275 g/m²
- **Durable colour** High UV resistance for southern and mountainous regions and high colour longevity (RUV-4) with a 25-year guarantee*

APPLICATIONS

- **Truck cargo bodies**
- **Sound barriers**
- **Sandwich panels for industrial and farming facilities**

Glossiness	Texture	Zn mass, g/m ²	Corrosion resistance	Coating thickness, µm	UV resistance	T-bend strength
Semi-gloss Semi-matte	Textured	200–275	RC5	50	>RUV 4	0.5–1.0

* In moderate climates

PRO polyether coating with antibacterial properties

Hi-tech and reliability

This innovative coating in the PRO line is designed to protect surfaces from accumulation of harmful micro-organisms. It is a perfect solution for interior furnishing in the food, healthcare and social industries.



ADVANTAGES

- **Secure anti-bacterial protection** The amount of bacteria on the surface is reduced 99.999% within 24 hours and the coat prevents any further bacterial growth.
- **Eco-friendly** Does not contain any volatile toxic compounds, chlorine or fluorine derivatives
- **Fully compliant** Certified for requirements of fire protection, sanitary and epidemiological protection, hygienic norms
- **Corrosion resistance** Guaranteed resistance to through corrosion up to 22 years*

APPLICATIONS

- **Wall panels:** internal finishing of social and healthcare facilities, pharmaceutical plants, or other premises used for storage and handling of agricultural products, truck cargo bodies

Glossiness	Texture	Zn mass, g/m ²	Corrosion resistance	Coating thickness, μm	UV resistance	T-bend strength
Gloss Semi-matte	Smooth	140	RC3	25	RUV 2-3	1.5–2.0

* In moderate climates

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