

PROFESSIONAL METAL PROTECTION



CHEMCOLOR
protective coatings since 1982

ANTICORROSION PRIMERS

PRODUCT	PROPERTIES	FIELD OF APPLICATION	SOLID CONTENT [vol%]	DENSITY [g/ml]	CONSUM. [60 µm dft]	MIX RATIO
AGRO PRIMER	Fast-drying modified alkyd anticorrosive primer	very good anticorrosive protection, good adhesion to metal, quick-drying, binds the coats together, primer for 1K or 2k systems	51	1,38	8.5 m²/L 6.2 m²/kg	1K
GRUNDKOLOR	Fast-drying zinc phosphate alkyd anticorrosive primer	very good primer in the AC protection system, with the application of 30-40 microns of dry film, it is used as an anti-corrosion coating under fire-resistant coatings	47	1,43	7.7 m²/L 5.4 m²/kg	1K
PRIMOKOLOR	Fast-drying alkyd anticorrosive primer	a good primer in the AK protection system, air and accelerated drying, short intercoat interval	47	1,43	7.7 m²/L 5.4 m²/kg	1K
CINK ANTIKOR 1K	One component ethyl silicate zinc rich anticorrosion primer	exceptional primer in the AC protection system for the worst exposure conditions, primer for achieving exceptional anti-corrosion protection under heat-resistant silicone coatings up to 420°C, 90% zinc in dry matter	50	2,65	8.4 m²/L 3.2 m²/kg	1K
EPOXY CINK ANTIKOR 2K	Two component zinc rich epoxy primer for metal	for the basic protection of iron structures, tanks and other iron objects in the worst exposure conditions, quick drying, 93% zinc in dry matter	59	3,46	8.75 m²/L 2.8 m²/kg	20:1 ut 4.5:1 vol
EPOXYKOLOR PRIMER CH 400 RAPID	Two component epoxy primer for metal	long-term active anti-corrosion protection, quick drying, does not contain lead or chromates, very good adhesion to metals, the coating is very resistant to chemicals	50	1,33	8.3 m²/L 6.1 m²/kg	10:1 ut 6.5:1 vol
EPOXYKOLOR PRIMER CH 500	Two component epoxy primer for metal	long-term active anti-corrosion protection, quick drying, does not contain lead or chromates, very good adhesion to metals, the coating is very resistant to chemicals	62	1,58	10.1 m²/L 6.4 m²/kg	10:1 ut 5.5:1 vol
EPOXYKOLOR PRIMER CH 600	Two component high solid epoxy primer for metal	long-term active anti-corrosion protection, quick drying, high chemical and mechanical resistance, very good adhesion to metals, the coating is very resistant to chemicals	72	1,65	12.0 m²/L 7.3 m²/kg	10.5:1 ut 6.5:1 vol
EPOXYKOLOR SHOP PRIMER	Two component epoxy shop primer for metal	good adhesion to the metal base, quick drying, does not contain chromates or lead, does not burn or smell when welding	30	1,15	20 mikron 11.6 m²/L 10.0 m²/kg	2:1 ut 1.25:1 vol
EPOXYKOLOR WASH PRIMER	Two component epoxy adhesion primer for metal	very good adhesion to the metal base, quick drying, enables adhesion of other coatings to non-ferrous metals	20	0,93	20 mikron 10.0 m²/L 10.7 m²/kg	9.1:1 ut 10:1 vol
WETKOLOR PRIMER	Epoxy ester primer	good anti-corrosion protection, extremely fast drying, good chemical resistance, agricultural and construction machinery, railway equipment and other steel surfaces, spraying, soaking, brush or roller	40	1,12	6.7 m²/L 5.9 m² /kg	1K

TOPCOAT

PRODUCT	PROPERTIES	FIELD OF APPLICATION	SOLID CONTENT [vol%]	DENSITY [g/ml]	CONSUM. [60 µm dft]	MIX RATIO
STARKOLOR EMAJL	One component glossy quick-drying alkyd top coat for metal	very good cover coating in the AC protection system, it is suitable for application by spraying, brush and roller	45-51	1.00-1.15	8.0 m²/L 7.6 m²/kg	1K
STARKOLOR IND	One component semigloss quick-drying alkyd top coat for metal	very good cover coating in the AC protection system, it is suitable for application by spraying, brush and roller	45-51	1.05-1.20	8.0 m²/L 7.6 m²/kg	1K
PURKOLOR EMAJL/RAPID	Two component polyurethane enamel	exceptional mechanical, chemical and weather resistance, durability and elasticity of the color film, easy application, usable in combination with various primers	55-64	1.05-1.25	9.6 m²/L 8.2 m²/kg	5:1 ut 4.2:1 vol
EPOXYKOLOR EMAJL	Two component epoxy enamel	mechanical durability, very resistant to chemicals, epoxy coatings are not resistant to UV rays, for the worst conditions of exposure (chemical and mechanical stress) in indoor spaces	55-65	1.20-1.45	10.6 m²/L 7.8 m²/kg	5.5:1 ut 3.2:1 vol
VINILAKRIL EMAJL	One component vinyl acryl top coat for metal	high mechanical, chemical and weather resistance, maximum resistance to UV rays and SO2, aesthetic and protective enamel for galvanized sheet metal and aluminium	35-45	1.00-1.25	6.7 m²/L 6.1 m²/kg	1K
ALUKOLOR	Primer and top coat for galvanized steel and aluminium	good mechanical, chemical and weather resistance, good resistance to UV rays and SO2, aesthetic and protective enamel for galvanized sheet metal and aluminium	45-51	0.95-1.15	8.0 m²/L 7.6 m²/kg	1K
WETKOLOR	Top coat for metal based on epoxy ester	extremely fast drying, good chemical resistance, agricultural and construction machinery, railway equipment and other steel surfaces	45	1.10	7.5 m²/L 6.8 m²/kg	1K
ALKIDKOLOR AQUA	Protective water-based coating for wooden and metal surfaces	high covering, environmentally friendly, good adhesion to various surfaces, good mechanical properties, as a single-layer or topcoat for the protection of metal and wooden surfaces	40	1.05-1.15	6.7 m²/L 6.1 m²/kg	1K
ALKIDKOLOR AQUA 120°C	Water-borne, oven-dry topcoat	good adhesion to the metal base, good mechanical properties, as a single-layer or topcoat for industrial painting of various metal elements	40	1.10-1.30	6.7 m²/L 5.6 m²/kg	1K



SPECIAL PRODUCTS

PRODUCT	PROPERTIES	FIELD OF APPLICATION	SOLID CONTENT [vol%]	DENSITY [g/ml]	CONSUM. [60 µm dft]	MIX RATIO
EPOXYKOLOR CH 680	Two-component high solid epoxy primer and finish coating for metals	long-term active anti-corrosion protection, quick drying, does not contain lead or chromates, high chemical and mechanical resistance, in a system with an appropriate top coat, it is suitable for weather exposure	70	1.49	11.4 m²/L 7.6 m²/kg	5:1 ut 2.8:1 vol
EPOXYKOLOR MASTIC CH 800	Two-component high solid epoxy mastic or alumastic coating for metals	has good penetration abilities, the coating can be used as a base, intermediate or final top coat on interior surfaces, the coating is very resistant to chemicals, the coating is intended to protect structures, machines	81	1.38	12.8 m²/L 9.6 m²/kg	8:1 ut 5.5:1 vol
EPOXYKOLOR DS 290	Two-component epoxy primer for contact with foodstuffs	long-term active anti-corrosion protection, quick drying, very good adhesion to metals, the coating is very resistant to chemicals, the coating is certified by the National Laboratory for Health	57	1.54	9.5 m²/L 6.2 m²/kg	10:1.4 ut 4.5:1 vol
EPOXYKOLOR INTER. THICK LAYER	Epoxy thick-layer intermediate coating	quick drying, suitable rheology for application in thick layers, in a system with an appropriate primer, it is suitable for exposure in industrial and marine atmospheres, suitable for direct contact with various media	62	1.64	10.3 m²/L 6.3 m²/kg	10:1 ut 6:1 vol
EPOXYKOLOR INTERMEDIATE MIOX	Epoxy thick-layer intermediate coating with micaceous iron oxide content	quick drying, suitable rheology for application in thick layers, in a system with an appropriate primer, it is suitable for exposure in industrial and marine atmospheres, suitable for direct contact with various media	64	1.77	10.7 m²/L 7.6 m²/kg	12:1 ut 6.2:1 vol
EPOXYKOLOR 2V1	Two-component epoxy primer and topcoat for metal	mechanical durability, very resistant to chemicals, very good adhesion to metal and concrete surfaces, quick drying, epoxy coatings are not resistant to UV rays	64	1.40	10.7 m²/L 7.6 m²/kg	5.55:1 ut 3.2:1 vol
STARKOLOR 2V1	One-component fast-drying alkyd primer and topcoat for metal	quick drying, durability and elasticity of the color film, good coverage, primer and final coating for good anti-corrosion protection, it is suitable for application by spraying, brush and roller	53	1.20	8.8 m²/L 7.4 m²/kg	1K
PURKOLOR 2V1	Two-component polyurethane primer and topcoat for metal	high mechanical, chemical and weather resistance, high resistance to UV rays and SO2, aesthetic and protective enamel for galvanized sheet metal and luminium	60	1.20	10.7 m²/L 8.3 m²/kg	5:1 ut 4.35:1 vol
ALUKOLOR 2V1	Acrylic coating for galvanized sheet metal and aluminium	good mechanical, chemical and weather resistance, good resistance to UV rays and SO2, aesthetic and protective enamel for galvanized sheet metal and aluminium	42-49	1.1-1.3	6.5 m²/L 5.9 m²/kg	1K
FASTKOLOR	One-component fast-drying coating with excellent adhesion to steel, galvanized sheet metal and aluminium	for the protection of steel, iron and galvanized sheets, aluminium and its alloys, extremely good adhesion, anti-corrosion and mechanical properties, can be repainted with both 1K and 2K topcoats, resistant up to 250°C	43	1.36	6.7 m²/L 4.9 m²/kg	1K

TEMPERATURE RESISTANT COATINGS

PRODUCT	PROPERTIES	FIELD OF APPLICATION	SOLID CONTENT [vol%]	DENSITY [g/ml]	CONSUM. [60 µm dft]	MIX RATIO
SIKOLOR SX	Silicone paint for metal resistant to 600°C	high mechanical, chemical and temperature resistance, in combination with ZINC ANTIKOR 1K, it represents an exceptional anti-corrosion system, resistant to temperatures up to 420°C, used for single-layer protection of pipelines	35 alu 50 black	1.20 1.50	25 mic DFT 14.0 m²/L 20 m²/L	1K
SIKOLOR SE	Silicone epoxy paint for metal resistant up to 650°C	high mechanical, chemical and temperature resistance, excellent coverage, in combination with SIKOLOR SE PRIMER ALU or SIKOLOR SE N, it represents an exceptional anti-corrosion system, resistant to temperatures up to 650 °C	30 alu 33 black	1.20 1.30	50 mic DFT 6.0 m²/L 6.6 m²/L	1K
SIKOLOR SE PRIMER	Silicone epoxy anti-corrosion primer for metals, resistant up to 650 °C	excellent coverage, in combination with SIKOLOR SE, it represents an exceptional anti-corrosion system, resistant to temperatures up to 650 °C, used to protect pipelines, stoves and fireplaces	30	1.20	50 mic DFT 6.0 m²/L 5.0 m²/kg	1K
CINK ANTIKOR 1K	One-component ethyl silicate zinc anti-corrosion coating	exceptional primer in the AC protection system for the worst exposure conditions, a case for achieving exceptional anti-corrosion protection under heat-resistant silicone coatings up to 420°C	50	2.65	60 mic DFT 8.4 m²/L 3.2 m²/kg	1K
TERMOSTABIL	Heat-resistant paint up to 500°C	used for single-layer protection of pipelines, furnaces and fireplaces, heat-resistant paint up to 500°C, not for external use, not suitable for heavy burdened surfaces	41	0.97	25 mic DFT 16.5 m²/L 17 m²/kg	1K

PROTECTION SYSTEMS - CERTIFIED BY EN ISO 12944

	SYSTEM	DRY FILM THICKNESS (DFT - microns)	SURFACE PREPARATION
C3M	Grundkolor Starkolor	65 55	St 2
C3M	Grundkolor Vinilacryl emajl	100 40	St 2
C3M	Agroprimer Vinilacryl emajl	50 50	St 2
C3M	Agroprimer Purkolor emajl	65 35	St 2
C4L	Epoxy primer CH400/500 Vinilacryl emajl	100 60	Sa 2½
C4M	Epoxy primer CH400/500 Purkolor emajl	100 60	Sa 2½
C4M	Epoxy primer CH400/500 Epoxykolor emajl	100 60	Sa 2½
C4H	Epoxy primer CH400/500 Purkolor emajl	160 60	Sa 2½
C5-I+M	Cink antikor 1k Epoxy primer CH400/500 Purkolor emajl	70 120 60	Sa 2½
C5-I+M	Cink antikor 2k Epoxy primer CH400/500 Purkolor emajl	70 120 60	Sa 2½

IMPORTANT POINTS IN PROFESSIONAL METAL PROTECTION:

1. Surface preparation

The lifetime of the coating system depends to the greatest extent on the proper preparation of the surface before painting. Before painting, the surface must be clean, free of salt, oil, grease, dust and dirt. In addition, the surface must also be cleaned of iron oxides - rust, welding residues and old, poorly adhered coatings.

We know several methods of cleaning the surface, of which the most suitable in the field are:

- Cleaning with chemical agents
- Manual cleaning using wire brushes, sandpaper, scrapers and hammers
- Mechanical cleaning with special tools (grinders, rotary brushes, impact needles, ...)
- Sandblasting
- High-pressure water washing

2. Suitable conditions for application

In general, the required climatic conditions for the implementation of anti-corrosion protection are air and material temperatures of 10 to 30°C, relative air humidity of 40 to 85%, and substrate and material temperatures of 3°C above the dew point. In high winds we cannot carry out work, due to the drift of paint spray when spraying onto adjacent unprotected objects and due to the too rapid evaporation of solvents from the coating, resulting in poor film formation and poor adhesion.

3. Control before and during painting

Data that are important are:

- minimum and maximum temperature of the substrate, air and material during application
- minimum and maximum humidity of the substrate, air and material during application
- suitable diluent and amount of dilution
- required dry film thickness and corresponding wet film thickness
- the correct number of applications
- intercoat intervals
- mixing ratio for two-component systems
- induction time
- open time of use

4. Control after painting

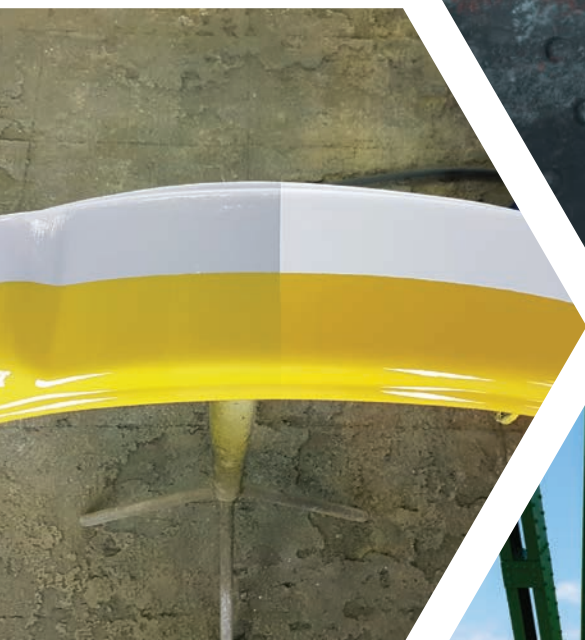
After painting, it is necessary to determine whether the thicknesses of the dry films are adequate for individual layers. It is necessary to check the adequacy of drying or cross-linking by measurement of adhesion and visual assessment. Regular periodic inspections of protected areas and, of course, timely rehabilitation of damaged areas is very important.



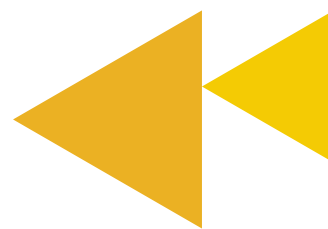
CHEMCOLOR
protective coatings since 1982



REFERENCES



PROFESSIONAL METAL PROTECTION



WHY WORK WITH US

Chemcolor has been manufacturing coatings since 1982. Over the past 20 years, we have focused primarily on the professional quality required by the industry. The main part of the export program is represented by high-quality protection systems for metal surfaces.

FLEXIBILITY TO YOUR NEEDS

Small team and simple structure give us the possibility of fast response times and easy decision making. Full production and laboratory equipment means great flexibility. We can serve you from 25 to several thousands of litre batches done with precision and care you need and deserve.

TAILOR MADE SOLUTIONS

We pay extra attention to your needs. Our offer does not end with our product portfolio. We listen to your needs and we already start with small quantities. We always seek for best possible solution and price/quality ratio. We use our extensive laboratory equipment and knowledge for development and we work „hand in hand“ with institutes, universities and research labs of our suppliers.

FULL SERVICE IS OUR COMMITMENT

We support our partners from idea to solution. We give education for end users, supervisors, architects, we are helping you with paperwork, we make liquid and solid

samples, lab and field trials and we help in supervising the quality control for your important projects.

INDEPENDENT CERTIFICATION OF PROCESS AND PRODUCTS

We trust in us and our solutions. But we always want to play safe and to bring utmost safety to our partners. This is why we only sell independently certified systems for protection of your products or property. We of course also yearly check our quality management and relationship towards environment in forms of ISO 9001 and 14001.

Chemcolor Sevnica d. o. o.
Dolenje Brezovo 35, 8283 Blanca
Slovenia

T+386 (0)7 81 63 550
E-mail: kontakt@chemcolor.si
www.chemcolor.si

verzija 01, january 2024



CHEMCOLOR
protective coatings since 1982