



Protective paint systems



APPROACH

We have built a team driven by our motto "Chemistry. Passion. Development". Together, we make a cutting-edge, family-owned company based in Poland, leading in manufacture of chemical products for the industrial and construction sectors. Our products are created at our in-house R&D Laboratory. We supervise each production step and continually ensure top quality and innovativeness of our products. How do we stand out? Not only do we guide our customers through the entire process of identifying their needs and choosing the right product, but also provide assistance by our technologists and technical advisors during the application. All this for over thirty years.

REALIZATION

The manufacture of protective paint systems involves various chemical and physical processes in which there is no room for errors. Therefore, our production team consists of accurate, conscientious and exceptionally thorough specialists. Each production stage undergoes the rigorous procedures of our Quality Control, which entails constant collaboration between the laboratory and the production teams.



SUCCESS

We continuously expand our product range. Our highly experienced and knowledgeable technical advisors are at our customers' disposal, assisting in the process of choosing the right coating. Our products offer surface protection for many years, remarkable decorative finish, and as a result, success of your investment.

Atmospheric corrosivity classification:

CORROSIVITY CATEGORY	EXAMPLES OF TYPICAL ENVIRONMENTS	
	OUTDOOR	INDOOR
C1 very low	-	Heated buildings with clean atmospheres, such as offices, shops, schools, hotels.
C2 low	Atmospheres with low levels of pollution, mostly rural areas.	Unheated buildings where condensation may occur, such as depots or sports halls.
C3 medium	Urban and industrial atmospheres, moderate sulfur dioxide pollution, or coastal areas with low salinity.	Production rooms with high humidity and some air pollution, such as food processing plants, laundries, breweries, dairies.
C4 high	Industrial areas and coastal areas with moderate salinity.	Chemical plants, swimming pools, coastal ship and boat yards.
C5 very high	Industrial areas with high humidity and aggressive atmospheres; coastal areas with high salinity.	Buildings and areas with almost permanent condensation and with high pollution.
CX extreme	Offshore areas with high salinity, industrial areas with extreme humidity and aggressive atmospheres; subtropical and tropical zones.	Industrial areas with extreme humidity and aggressive atmospheres.

Source: PN-EN ISO 12944-2:2018-02

Durability of protective paint systems:

L (Low) - up to 7 years

M (Medium) - 7 years to 15 years

H (High) - 15 years to 25 years

VH (Very High) - more than 25 years

Source: PN-EN ISO 12944-1:2018-01










Professional paint systems for industrial

Professional paint systems for industrial use are present in our daily life, in the urban areas nearly at every step. For many industries, effective protection against corrosion is a priority. Our products have provided effective corrosion protection for thirty years.

We offer a complete range of industrial paint systems which include top-quality thinners as well as primers/undercoats and top coats for corrosion protection of steel surfaces exposed to various environments. The most effective corrosion protection is achieved with the paint systems designed and manufactured according to the highest technological regime. ALMACOLOR systems guarantee longterm surface protection in harsh environments.

ALMACOLOR recommended paint systems

Corrosion category & durability	Coating	Product	Recommended film thickness in μm	Combined nominal thickness of the set	Recommendation
C3L	priming	ALMAKOR COMBI	80 – 100	$\geq 120 \mu\text{m}$	
	topcoat	ALMALUX	40-70		
C3L		GRUNTOEMALIA ALKIDOWA	50-140	$\geq 120 \mu\text{m}$	
C3M		ALMAPUR PROTECT	50 – 120	$\geq 120 \mu\text{m}$	
C4M	priming	ALMADUR UNIVERSAL PRIMER	80-120	$\geq 140 \mu\text{m}$	
	topcoat	ALMAPUR PROTECT	60- 120		
C4H	priming	ALMARUST	80-90	$\geq 240 \mu\text{m}$	
	intercoat	ALMADUR UNIVERSAL PRIMER	80-120		
	topcoat	ALMAPUR	60-90		
C5H	priming	ALMADUR ZINC	80-120	$\geq 240 \mu\text{m}$	
	intercoat	ALMADUR UNIVERSAL PRIMER	80-120		
	topcoat	ALMAPUR	60-90		
C5H	mist coat	ALMARUST (thinned)	20-40	$\geq 180 \mu\text{m}$ (mist coat not included in set thickness)	
	intercoat	ALMADUR UNIVERSAL PRIMER	60-120		
	topcoat	ALMAPUR	60-90		

ALMACOLOR PAINT SYSTEMS – SAMPLE APPLICATIONS



- Containers
- Light steel structures
- Fencing



- Bridge infrastructure
- Road & rail infrastructure



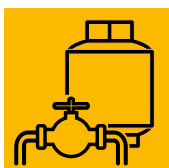
- Freight rolling stock
- Cisterns



- Industrial machinery
- Construction machinery



- Agricultural machinery, etc.



- Pipelines
- Tanks



- Steel structures of construction objects and industrial facilities



ALMAKOR COMBI

A single-component, anticorrosive, alkyd resin based paint. Designed for priming of steel and iron surfaces, it also ensures great results as a temporary protection against corrosion during storage and transport.

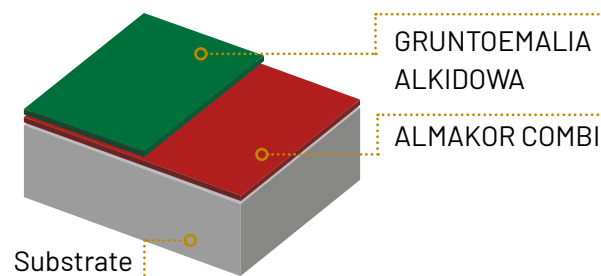
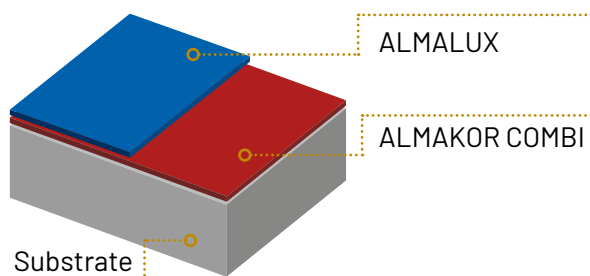
PROPERTIES:

- Increased adhesion
- High flexibility
- Easy to apply.

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8002
Application	Conventional and airless sprayers, brush
VOC in a ready-to-use product (g/l)	490
Solids (% by volume)	55 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.07



CORINOL ACTIVE

A single-component reactive paint with pickling and passivating properties. The special penetrating formula ensures very high adhesion to aluminum, zamak, steel and galvanized surfaces. CORINOL ACTIVE makes an ideal intercoat under the top coat, creating a complex and effective anticorrosive layer.

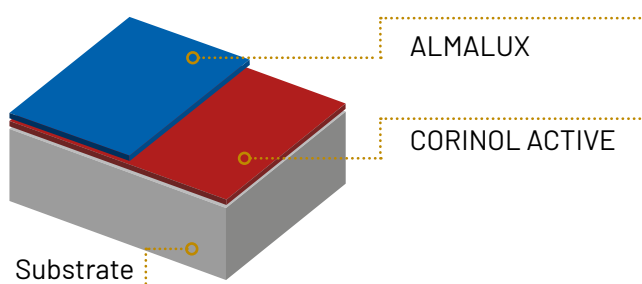
PROPERTIES:

- High adhesion to different types of surfaces
- Single-component product ready to use
- Shorter drying time.

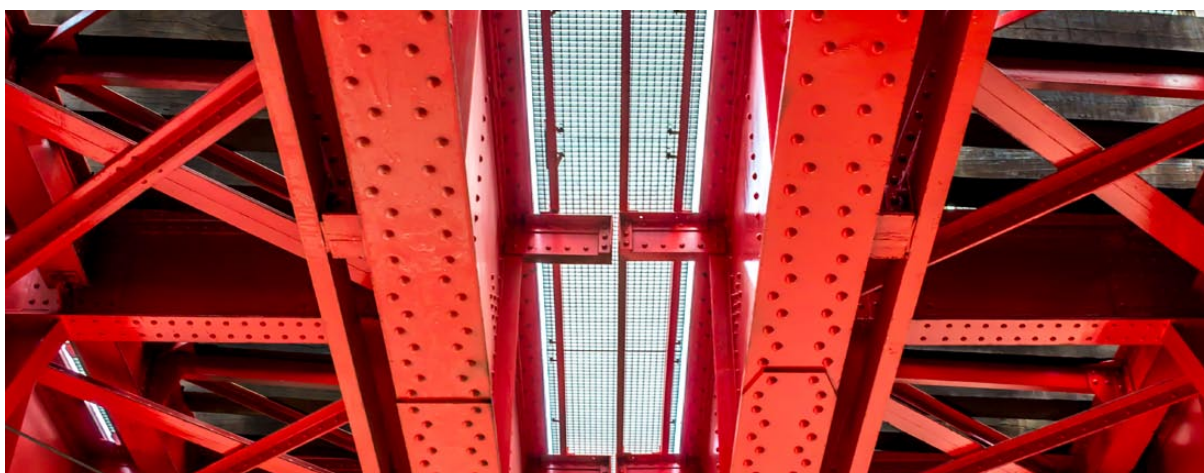
APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8013
Application	Conventional and airless sprayers, brush
VOC in a ready-to-use product (g/l)	600
Solids (% by volume)	45 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.1



ALMALUX

A single-component, modified alkyd enamel with exceptionally quick drying time. Recommended as the top coat in the alkyd systems. Available in the RAL color range.

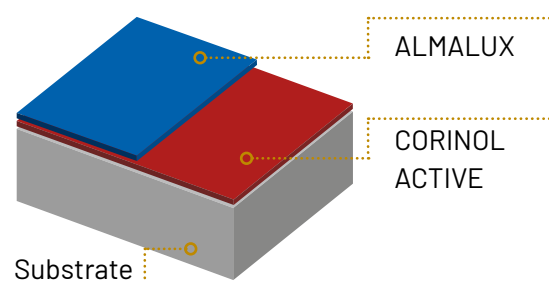
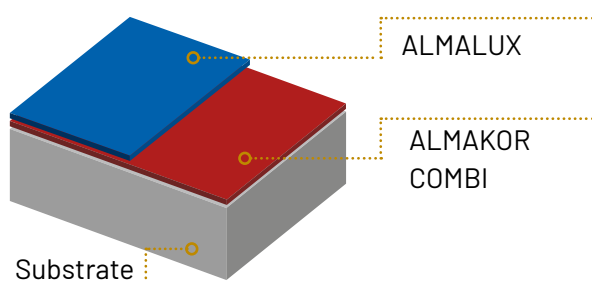
PROPERTIES:

- Excellent fluidity and coverage
- Good chemical resistance
- Flexibility and mechanical resistance
- Quick drying time
- High gloss.

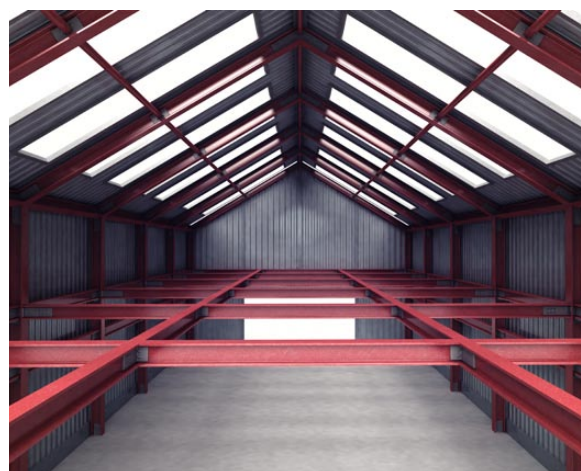
APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8002
Application	Airless sprayer, brush, roller
VOC in a ready-to-use product (g/l)	420-475
Solids (% by volume)	50 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.07



FARBA ALUMINIOWO-CYNKOWA

A single-component vinyl paint with exceptional anticorrosive and aesthetic properties, designed for galvanized and aluminum surfaces. Also recommended as a spot repair paint on galvanized surfaces.

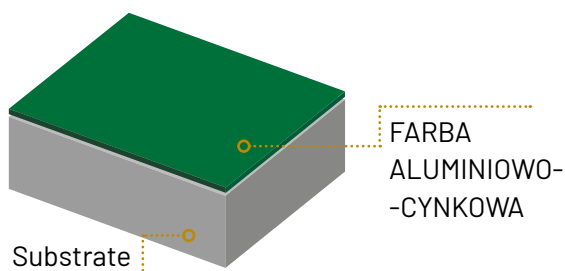
PROPERTIES:

- Very good adhesion to different substrates (galvanized steel, zinc, aluminum)
- Quick drying time
- High flexibility.

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8080
Application	Airless sprayer, brush
VOC in a ready-to-use product (g/l)	500
Solids (% by volume)	45 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.16



GRUNTOEMALIA ALKIDOWA

A single-component alkyd primer-and-topcoat formula (2in1) which exhibits good substrate adhesion, effective corrosion protection and splendid decorative finish. Available in the RAL color range.

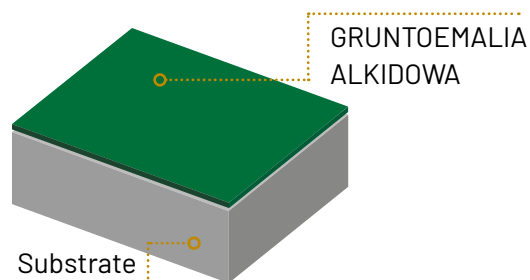
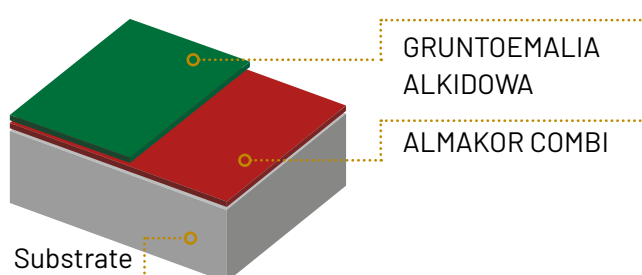
PROPERTIES:

- Excellent coverage and thixotropy
- High efficiency
- Good chemical and mechanical resistance
- Good adhesion to steel and iron surfaces.

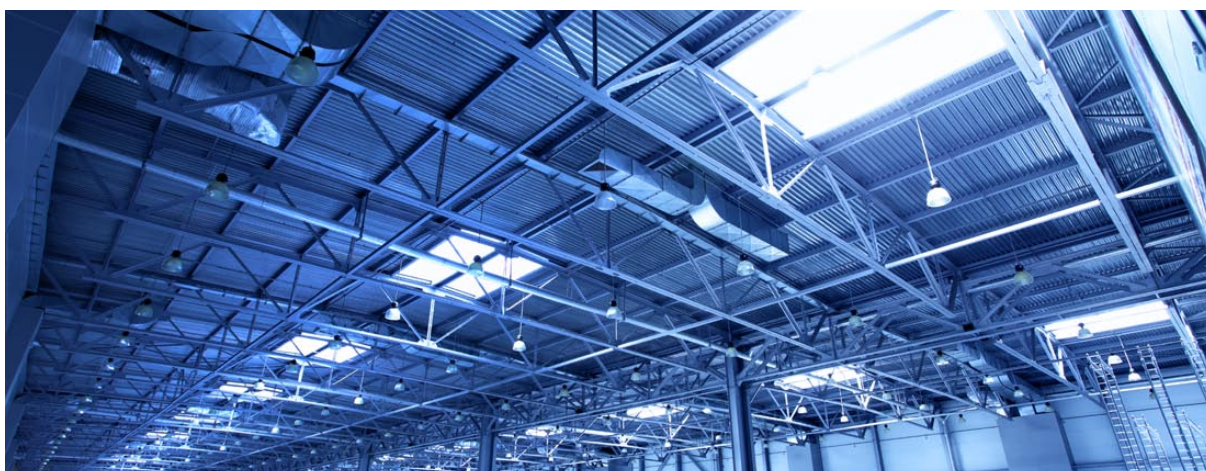
APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8002
Application	Airless and conventional sprayers, brush
VOC in a ready-to-use product (g/l)	385
Solids (% by volume)	58 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.09



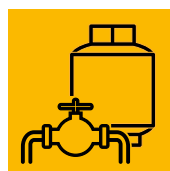
ALMADUR EXTRA

A specialized, two-component epoxy undercoater based on a unique protective formula that prevents rust even in highly corrosive atmospheres. Ready to apply at high humidity. Used as a primer and intercoat in the epoxy and polyurethane systems on surfaces subject to abrasion.

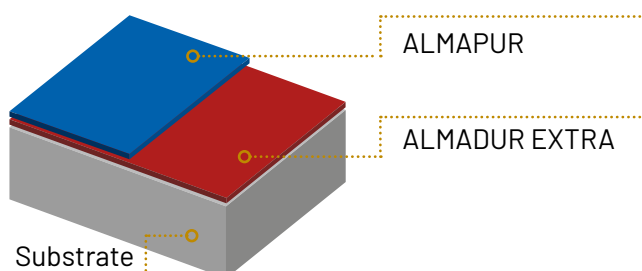
PROPERTIES:

- Good adhesion to various substrates (galvanized, aluminum, steel)
- Tight and durable coat
- Improved corrosion protection thanks to the barrier pigment
- Cures at as low as -10°C
- Resistance to exposure to water, saline and lye solutions, petroleum products
- Resistance to a broad range of media (see: cargo list).

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8040, hardener
Application	Airless sprayer, brush
VOC in a ready-to-use product (g/l)	280
Solids(% by volume)	63 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.15



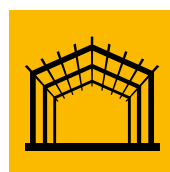
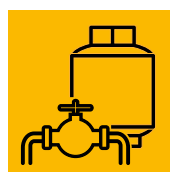
ALMADUR UNIVERSAL PRIMER

A two-component epoxy undercoater, excellent as both primer and intercoat in the polyurethane systems, which can also be used as a temporary protection coating. ALMADUR UNIVERSAL PRIMER was specifically designed for the construction and industrial sectors.

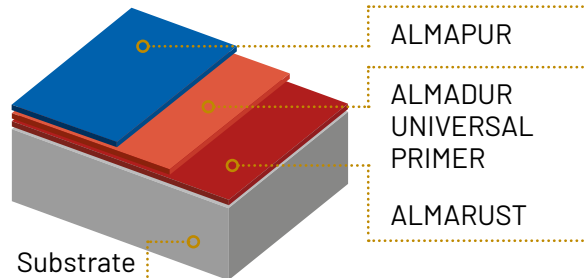
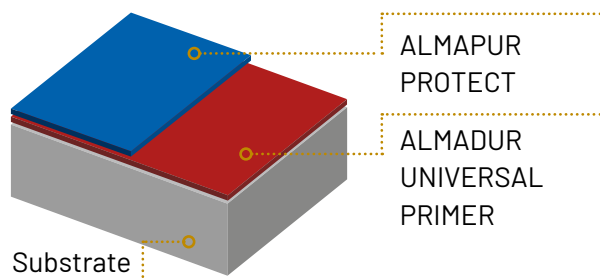
PROPERTIES:

- Very good adhesion to steel and non-ferrous metal substrates
- High mechanical resistance
- Perfect undercoat for the topcoat
- Can be applied at lowered temperatures (down to +5°C).

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8040, hardener
Application	Airless or conventional sprayer, brush
VOC in a ready-to-use product (g/l)	440
Solids(% by volume)	58 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.135



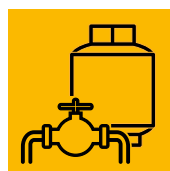
ALMADUR ZINC

A two-component, epoxy-based anticorrosive undercoat for priming steel surfaces in the epoxy and polyurethane systems. The contents of zinc dust (appx. 90% in a dry coat) add exceptional anticorrosive properties. Valued in the chemical and petrochemical industries where resistance to corrosive atmospheres is a priority.

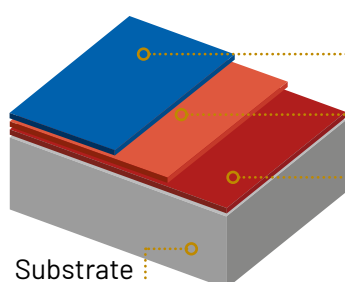
PROPERTIES:

- High resistance in aggressive corrosive environments
- Quick drying time
- Very high resistance to chemical and mechanical agents
- Can withstand temporal temperatures of up to 160°C
- Good substrate adhesion
- Resistant to mechanical stress.

APPLICATION:



RECOMMENDED SYSTEMS:



ALMAPUR

ALMADUR UNIVERSAL PRIMER

ALMADUR ZINC

Substrate

Related products	Thinner 8040, hardener
Application	Airless or conventional sprayer, brush
VOC in a ready-to-use product (g/l)	470
Solids (% by volume)	65 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.17



ALMARUST

A two-component epoxy primer with an active barrier pigment which improves corrosion resistance of steel and iron surfaces. Resistant to variable temperatures, water, saline and lye solutions, petroleum products.

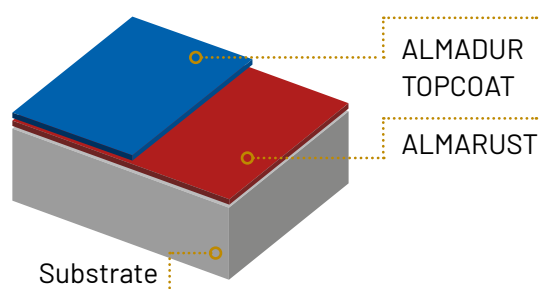
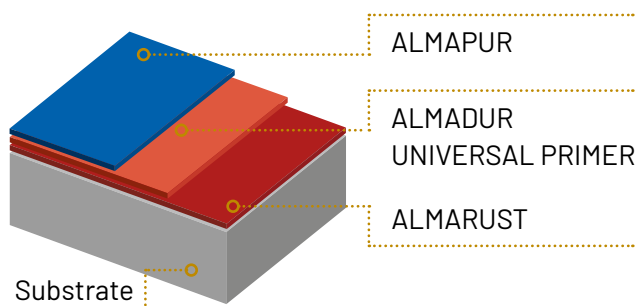
PROPERTIES:

- Good adhesion to various substrates (aluminum, galvanized, steel)
- Cures at lowered temperatures (down to +5°).

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8040, hardener
Application	Airless sprayer, brush
VOC in a ready-to-use product (g/l)	450
Solids(% by volume)	54 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.09



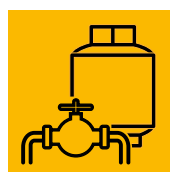
ALMAPUR

A two-component, polyurethane topcoat hardened with aliphatic isocyanate, recommended in the epoxy and polyurethane systems. The paint exhibits outstanding durability and remarkable aesthetics. Available in the RAL color range.

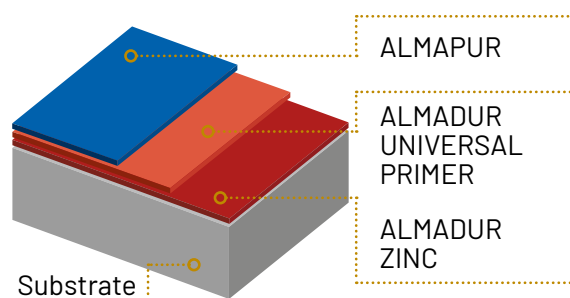
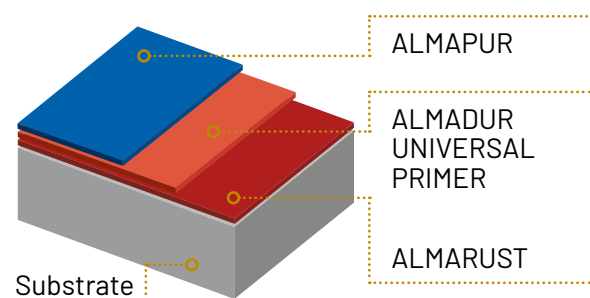
PROPERTIES:

- Excellent resistance to abrasion and corrosive environments
- High gloss and color durability
- Good mechanical resistance
- High-quality decorative finish

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8010, hardener
Application	Airless or conventional sprayer, brush
VOC in a ready-to-use product (g/l)	450
Solids (% by volume)	58 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.09



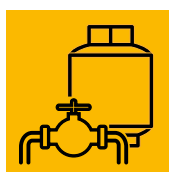
ALMADUR TOPCOAT

A two-component, epoxy paint recommended for top coating in the epoxy systems utilized in highly corrosive environments. Available in the RAL color range.

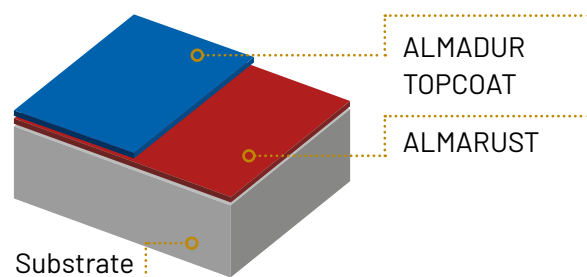
PROPERTIES:

- Very good substrate adhesion
- High mechanical resistance
- Enduring and flexible.

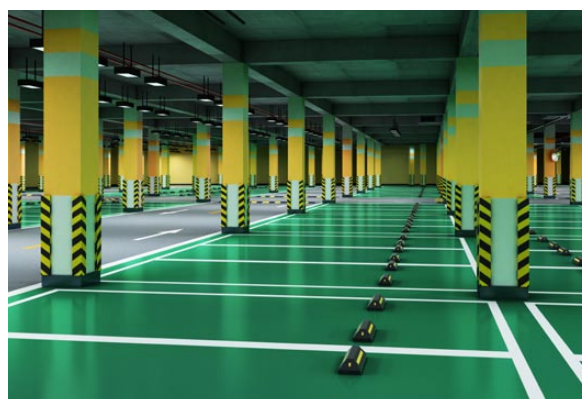
APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8040, hardener
Application	Airless sprayer, brush
VOC in a ready-to-use product (g/l)	420
Solids (% by volume)	55 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.1



ALMAPUR PROTECT

A two-component, polyurethane primer-topcoat hardened with aliphatic isocyanate offers corrosion protection in a single paint thanks to its active anticorrosive pigments. It also excels as a topcoat in the systems with the epoxy primers. Available in the RAL color range.

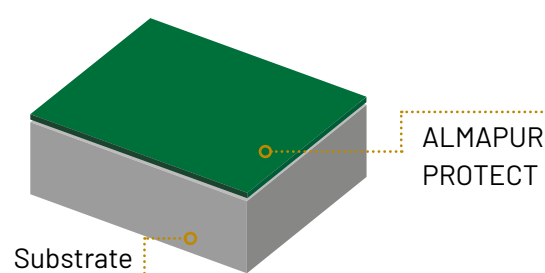
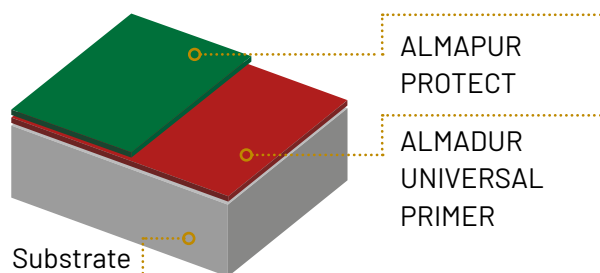
PROPERTIES:

- High-quality decorative finish
- Quick drying time
- Contains active anticorrosive pigments.

APPLICATION:



RECOMMENDED SYSTEMS:



Related products	Thinner 8002, hardener
Application	Airless or conventional sprayer, brush
VOC in a ready-to-use product (g/l)	420 - 450
Solids (% by volume)	55 ± 2
Theoretical coverage at 40 µm film thickness, l/m ²	0.15



Images of product implementations:
AlmaColor's archives
and www.depositphotos.com (credit: kamchatka, alexxey.07, scis65,
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ALesik, NosorogUA, Nikolaskus, photojimdp, noomcpkstic).



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construction and industrial sectors**



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