



# INDUSTRIAL COATINGS & DECORATIVE PAINTS





# **CHIMTITAN** | **PROFESSIONAL**

Founded in 1991 as a privately owned company, **CHIMTITAN** became one of the best known producer of film-forming materials (lacquers, paints, varnishes, top-coats, primers, sealants, adhesives, solvents) in Romania.

In order to ensure a high quality of delivered products, the Quality Management Environment Integrated Management System is implemented within the company according to ISO 9001: 2004 and ISO 14001: 2008, certified by TÜV CERT of TÜV Thüringen.

The products manufactured by **CHIMTITAN**, resulting from the company's own research, cover all areas of activity, from emulsion paints, plasters and water dispersion adhesives for civil and industrial constructions, primers, varnishes, enamels and adhesives for furniture industry up to products and special protection systems for metal constructions and constructions, machine building industry, hydraulic engineering, chemical and food industry, petrochemical, aerospace, shipbuilding.

In most cases the performance of **CHIMTITAN** products has been attest by certificates, approvals and endorsements issued by accredited institutions such as: INCERC Bucharest (National Institute of Research and Development in Construction and Economics of Constructions), ICECON Bucharest (Research Institute for Equipment and Technologies in Construction), Central Laboratory Bucharest, INCERTRANS Bucharest (Transport Research Institute), IBA Bucharest (National Institute for Research and Development for Food Bioresources), C.N.T.E.E. Transelectrica Bucharest, Bundesanstalt für Straßenwesen BAST Germany (Federal Institute for Highways and Roads), MLPTL (Ministry of Public Works, Transport and Housing), Ministry of Regional Development, Public Administration and European Funds, CTPC (Standing Technical Council in Construction), AFER (Romanian Railway Authority), Ministry of Health - Institute of Hygiene and Public Health, Military Firefighters Command, PSI Studies and Experimental Center, INL (National Wood Institute), for some of these tests were carried out in specialized laboratories in Germany, Italy and Switzerland.

Starting in 1991 from widely used (alkyd) products, **CHIMTITAN's** product range has diversified from year to year. The research carried out in its own laboratories, equipped with the latest machinery, equipment and experiments carried out under various operating conditions, led to the approval of new types of products with decorative and anticorrosive protection, with temperature resistant, resistant to various aggressive agents, thus covering the unexplored market sectors in Romania.

Since 1991 **CHIMTITAN** has continuously developed its product portfolio, offering its clients a wide range of decorative and anti-corrosion protection systems: nitrocombined, epoxy, high solids epoxy, epoxyester, acrylic, high solids acrylo-polyurethane, polyurethane, alkyd, alkyd-melamine, alkyd-urea, acrylated alkyd, chlorinated rubber, ethyl silicate, silicone, insulating, conductive and semiconductor products, washable paints, decorative plasters, adhesives.

A large part of **CHIMTITAN** products are aimed at industrial consumers, covering all fields of activity in this area (furniture industry, machine building industry, hydrotechnics, petrochemical industry, aviation industry, naval industry, civil and industrial construction), but to the same extent, in order to meet the requirements of the market, **CHIMTITAN** also focused on consumer products.

The professional protection systems offered on the market under the brand **CHIMTITAN** and the professional decorative products offered on the market under the TUCAN brand have been imposed due to the performances and the high quality. **CHIMTITAN** manufactures very competitive products, paying great attention to all phases of the production process, starting with choosing the best quality raw materials from the most reputable suppliers in the country and abroad, continuing with the latest generation of modern technology and equipment and ending with the final testing of the delivered products, their certification and approval by accredited institutions, which led to its maintenance, since 1992, in the top of the medium sized companies.

The superior training of **CHIMTITAN** specialists, with a high level of expertise and professional experience, the seriousness and promptness with which the consultancy and technical assistance services are provided, have led to **CHIMTITAN** winning and maintaining an important market share.

**CHIMTITAN's** policy provides for long-term investments to increase production capabilities with high-tech equipment, environmental protection and continuous quality improvement.



# CERTIFICATE

**for the management system according to ISO 9001:2008 and ISO 14001:2004**

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company

**CHIMTITAN S.R.L.**  
B-dul Basarabia nr. 248A, sector 3,  
030352 Bucharest  
Romania

**Scope**

**Production, sale and delivery of paints, varnishes and anticorrosive products.**

Certificate Registration No.: TIC 15 100 11025      Valid until: 2018-09-14  
 TIC 15 104 8484      Valid from: 2016-03-10

Audit Report No.: 3330 2038 PO      Initial certification: 2001 / 2008

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits.

TÜV Thüringen e.V.  
 Certification body for  
 systems and personnel

IAF

DAKS  
 German Accreditation Authority  
 for the areas of  
 TÜV 15 100 11025  
 & TÜV 15 104 8484

Jena, 2016-03-10

The system which can be identified at the following address: 030352 Bucharest, Romania  
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**Bundesanstalt für Straßenwesen**  
V41 – If (EPM)

Bundesanstalt für Straßenwesen, Postfach 10 15 52, 42699 Solingen, Deutschland

Accredited Testing Laboratory for  
 Road Marking Products  
 Akkreditationsnummer D-PL-15013-01-00

**Certificate for road marking durability test, BAST-identification-number: 2017 10S 03.01**

1. **Request**  
 Applicant: **Chimtitan srl, Bd. Basarabia Nr. 248 A, 5-rd sector, RO - 030352 Bucharest**  
 Reason for request: **Examination of wear-resistance and traffic-related properties of a road marking system according to test specifications of DIN EN 15 127 (Issue July 2014). The requirements for the traffic-related properties are in compliance with DIN EN 1436 (Issue January 2006).**
2. **Test Item**  
 Material name: **Type local marking system for permanent road marking**  
 System name: **Road Marking Paint 423**  
 Producer: **S.C. Chimtitan S.R.L. Bucharest**  
 Kind of material: **High - Solid paint**  
 Drop-on material (g/m²): **905, ratio of components: Resin / anti-sand material: 3 / 1**  
 - Name: **Schwarz 10 SSP 600 547**  
 - Art and aggregate: **Grünobalt**  
 - Producer: **Devitec**
3. **Application data**  
 The application occurred at the BAST through the test institute of the Deutsche Bundesprüfstelle für Straßenmarkierungen (DSG)  
 Layer thickness (µm): **600**  
 Kind of application: **Aerosol**
4. **Results of the test**  
 All minimum requirements for traffic class P 5 were fulfilled according to DIN EN 1436. Concerning the traffic related properties the following classes were reached:
 

	New condition	State of wear
Skid resistance:	≥ 51	51
Nighttime visibility, dry:	R 5	R 5
Nighttime visibility, wet:	Q 5	Q 5
Drying time:	T 4	

The minimum requirement for wear-resistance of 80% of wet surface was fulfilled. The results of the physicochemical analysis are listed at BAST.  
 The road-marking system is not suitable for marking roads under traffic.  
 (This report must not be reproduced other than in full, except with the prior written permission of the issuing laboratory BAST.)  
 Solingen-Gladbach, 11<sup>th</sup> of October 2017

(M. Zeller)  
 Wissenschaftl. Ang.

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# CHIMTITAN

**TUCAN**

PROFESSIONAL PAINTING



# INDUSTRIAL COATINGS

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# DECORATIVE PAINTS

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## PROTECTIVE COATING SYSTEMS FOR METALLIC SURFACES

### ACRYLIC ALKYD FAST DRYING PROTECTIVE SYSTEMS:

1. Acrylic-alkyd Primer 522 series
2. Acrylic-alkyd Topcoat 522 series

#### ACRYLIC-ALKYD PRIMER 522 SERIES:

**THEORETICAL COVERAGE:** 0,130-0,160 kg/m<sup>2</sup> / 1 coat DFT 35-45 µm

**NONVOLATILE CONTENT:** 50% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 455 g/l (5% dilution)

**THINNING:** 10% for conventional air spray, 10% for brush, 5% for airless

**DRYING:** - Surface dry: 1 hour (20°C)

- Recoat: 2 hours (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Acrylic-alkyd Primer 522 series - 25 kg

**SHADES:** Red oxide, gray, RAL card shades

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg



#### ACRYLIC-ALKYD TOPCOAT 522 SERIES:

**THEORETICAL COVERAGE:** 0,130-0,150 kg/m<sup>2</sup> / 1 coat DFT 35-45 µm

**NONVOLATILE CONTENT:** 60% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 495 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5-10% for airless

**DRYING:** - Surface dry: 1 hour (20°C)

- Recoat: 15 min. „wet-on-wet“ (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Acrylic-alkyd Topcoat 522 series - 20 kg

**SHADES:** RAL card shades

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg



#### PROPERTIES:

- High degree of gloss (also matt grades at request)
- Very good adhesion on primed surfaces
- Good resistance to weathering and UV radiation
- Good corrosion protection of steel building elements in corrosive environments up to C3 class

#### APPLICATIONS:

- Anticorrosion and decorative coatings on metallic surfaces
- Constructions, structures and metalwork
- Interior and exterior painting of vehicles (cars, buses, trams, tractors, wagons, containers, etc.)
- Shipping industry: barges and river vessels (dead work, superstructure, bilge, engine compartment)
- Machines and industrial machinery
- Used both as decorative surface coatings and for touch up work

#### APPROVALS:

- Technical approval for the acrylic-alkyd products 522 series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds - Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.





## EPOXY PROTECTIVE SYSTEMS:

1. Two component Epoxy Primer 302 series / Two component Zinc Epoxy Primer 302 series
2. Two component Intermediate Epoxy Paint 302 series (if applicable)
3. Two component Epoxy Topcoat 302 series

### TWO COMPONENT EPOXY PRIMER 302 SERIES:

**MIX RATIO:** 100 parts by weight of Epoxy Primer 302 series

20 parts by weight of Hardener 302 series

**THEORETICAL COVERAGE:** 0,100-0,120 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 58% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 460 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless application

**POT LIFE, 20°C:** 8 hours

**DRYING:** - Surface dry: 1 hour (20°C)

- Recoat: 4 hours (20°C)

- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Primer 302 series – 20 kg, Hardener 302 series – 4 kg

**SHADES:** Red oxide, gray, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg

or

### TWO COMPONENT ZINC EPOXY PRIMER 302 2K SERIES:

**MIX RATIO:** 90 parts by weight Zinc Epoxy Primer 302 series component 1

10 parts by weight Zinc Epoxy Primer 302 series component 2

**THEORETICAL COVERAGE:** 0,250-0,300 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 55% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maxim 480 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless;

**POT LIFE, 20°C:** 8 hours;

**DRYING:** - Surface dry: 1 hour (20°C)

- Recoat: 4 hours (20°C)

- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Zinc Epoxy Primer 302 2K series – 36 kg comp. 1 + 4 kg comp. 2

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg

### TWO COMPONENT INTERMEDIATE EPOXY PAINT 302 SERIES:

for high film build applications

**MIX RATIO:** 100 parts by weight Intermediate Epoxy Paint 302 series

20 parts by weight Hardener 302 series

**THEORETICAL COVERAGE:** 0,150-0,200 kg/m<sup>2</sup> / 1 coat DFT 75-100 µm

**NONVOLATILE CONTENT:** 60% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maxim 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5-10% for airless;

**POT LIFE, 20°C:** 8 hours;

**DRYING:** - Surface dry: 1 hour (20°C)

- Recoat: 4 hours (20°C)

- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Intermediate Epoxy Paint 302 series – 20 kg, Hardener 302 series – 4 kg

**SHADES:** Red oxide, gray, cream, MIO, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg





## TWO COMPONENT EPOXY TOPCOAT 302 SERIES:

**MIX RATIO:** 100 parts by weight Epoxy Topcoat 302 series  
25 parts by weight Hardener 302 series

**THEORETICAL COVERAGE:** 0,080-0,100 kg/m<sup>2</sup> / 1 coat DFT 40-50 µm

**NONVOLATILE CONTENT:** 55% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 480 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5-10% for airless;

**POT LIFE, 20°C:** 8 hours;

**DRYING:** - Surface dry (to touch): 1 hour (20°C)

- Recoat: 4 hours (20°C)

- Hard dry: 24 hours (20°C), 1 hour (80°C).

**PACKAGING:** Epoxy Topcoat 302 series – 16 kg, Hardener 302 series – 4 kg

**SHADES:** RAL card shades, various grades of gloss with matte and semi-matte Hardener 302 series

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



### PROPERTIES:

- Very good adhesion on steel, aluminum surfaces as well as on aged galvanized surfaces
- Outstanding resistance to weathering, high humidity, coastal environments, industrial aggressive media
- Resistance to alkaline media (diluted and concentrated), weak acidic media, good resistance to petroleum products (crude oil, mineral oils, gasoline, diesel fuel, aromatic and aliphatic hydrocarbons, etc.)
- Outstanding resistance in all types of climates and in very aggressive environments – to C5 corrosivity class

### APPLICATIONS:

- Constructions, structures and metal fabrications
- Ship building: barges and river vessels (ballast tanks, interior and exterior decks, engine compartment installations, frozen warehouses, main engines etc.)
- Industrial tools and machinery (cranes, bridges, etc.), wagons, locomotives
- Food industry
- Chemical industry
- Petrochemical industry, for interior and exterior painting of petroleum products storage tanks (gasoline, diesel fuel, oils, solvents, etc.)

### APPROVALS:

- Technical approval for the epoxy products 302 series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds - Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.
- The Romanian Ministry of Health's approval for the Epoxy Primer 302 series / Zinc Epoxy Primer 302 2K series and Epoxy Topcoat 302 series system for painting of foodstuffs, salt, and cereal storage facilities.
- Zinc Epoxy Primer 302 2k series is tested and approved by the Romanian National Institute of Research and Development for Food Bioresources – IBA Bucharest, for use in interior painting of drinking water tanks.





## ULTRA HIGH SOLIDS EPOXY PROTECTIVE SYSTEM:

1. Two component Epoxy Primer 309 UHS series
2. Two component Intermediate Epoxy Paint 309 UHS series (if applicable)
3. Two component Epoxy AQUAREZIST Paint 309 UHS series

### TWO COMPONENT EPOXY PRIMER 309 UHS SERIES:

**MIX RATIO:** 100 parts by weight of Epoxy Primer 309 UHS series  
15 parts by weight of Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,150-0,350 kg/m<sup>2</sup> / 1 coat DFT 100-200 µm

**NONVOLATILE CONTENT:** 80% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry (to touch): 1 hour (20°C)

- Recoat: 2 hours (20°C)

- For handling: 4 hours (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Primer 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** Red oxide, gray, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



### THE ADVANTAGES OF USING THE EPOXY PRIMER 309 UHS SERIES:

- Quick drying under normal conditions
- It can even be applied at a minimum temperature of **-15°C**
- Tolerant to rust and moisture
- It can be applied directly on lightly rusted steel surfaces
- It can be applied directly on metallic surfaces prepared by water blasting

### TWO COMPONENT INTERMEDIATE EPOXY PAINT 309 UHS SERIES: for high film build applications

**MIX RATIO:** 100 parts by weight Intermediate Paint 309 UHS series  
15 parts by weight Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,250-0,350 kg/m<sup>2</sup> / 1 coat DFT 150-200 µm

**NONVOLATILE CONTENT:** 80% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution).

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry (to touch): 1 hour (20°C)

- Recoat: 2 hours (20°C)

- For handling: 4 hours (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Intermediate Epoxy Paint 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** Red oxide, gray, cream, MIO, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg





## TWO COMPONENT EPOXY AQUAREZIST PAINT 309 UHS SERIES:

**MIX RATIO:** 100 parts by weight Epoxy Aquarezist Paint 309 UHS series  
15 parts by weight Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,150-0,320 kg/m<sup>2</sup> / 1 coat DFT 100-200 µm

**NONVOLATILE CONTENT:** 78% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10-15% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours;

**DRYING:** - Surface dry: 30 min. (20°C)

- Recoat: 4 hours (20°C)

- For handling: 6 hours (20°C)

- Hard dry: 24 hours (20°C), 1 hour (80°C).

**PACKAGING:** Epoxy Aquarezist Paint 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** RAL card semi-gloss gloss, MIO

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg

### PROPERTIES:

- Two component products with high solids content, epoxy – phenalkamine type, with very fast cure under normal temperatures, the UHS (ultra high solids) can even be applied at a minimum temperature of -15°C and is tolerant to moisture.
- Anti-corrosive protection system with high film thickness. It can also be produced as a MIO UHS product.
- Due to its very high non volatile matter content (above 85%), it can achieve very high DFT (till 200 µm) in a single layer (by airless application).
- Resistance to alkali (diluted and concentrated), weak acidic media, petroleum products (mineral oils, gasoline, diesel fuel, aliphatic and aromatic hydrocarbons, etc.).
- Outstanding resistance in all types of climates and in very aggressive environments.
- Outstanding film resistance up to C5M and C5I corrosion class according to ISO 12944 and ISO 9223.

### APPLICATIONS:

- As a long lasting protection system, where high film build applications are required
- Constructions, structures and metal fabrications
- Ship building: barges and river vessels (ballast tanks, interior and exterior decks, engine compartment installations, frozen warehouses, main engines, etc.)
- Industrial tools and machinery (cranes, bridges, etc.)
- Petrochemical industry, for interior and exterior painting of petroleum products storage tanks (gasoline, diesel fuel, oils, solvents, etc.)
- Chemical industry
- Transportation (tanks, containers, waggon)

### APPROVALS:

- Technical approval for the epoxy products 309 UHS series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds
- Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.





## EPOXY-POLYURETHANE PROTECTIVE SYSTEM:

1. Two component Epoxy Primer 302 series / Two component Zinc Epoxy Primer 302 series
2. Two component Intermediate Epoxy Paint 302 series (if applicable)
3. Two component Acrylic-polyurethane Topcoat 351 series

### TWO COMPONENT EPOXY PRIMER 302 SERIES:

**MIX RATIO:** 100 parts by weight of Epoxy Primer 302 series  
20 parts by weight of Hardener 302 series

**THEORETICAL COVERAGE:** 0,100-0,120 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 58% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 460 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless application

**POT LIFE, 20°C:** 8 hours

**DRYING:** - Surface dry: 1 hour (20°C)  
- Recoat: 4 hours (20°C)  
- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Primer 302 series – 20 kg, Hardener 302 series – 4 kg

**SHADES:** Red oxide, gray, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



or

### TWO COMPONENT ZINC EPOXY PRIMER 302 SERIES:

**MIX RATIO:** 90 parts by weight of Zinc Epoxy Primer 302 series component 1  
10 parts by weight of Zinc Epoxy Primer 302 series component 2

**THEORETICAL COVERAGE:** 0,250-0,300 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 55% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 480 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 8 hours

**DRYING:** - Surface dry: 1 hour (20°C)  
- Recoat: 4 hours (20°C)  
- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Zinc Epoxy Primer 302 series – 36 kg comp. 1 + 4 kg comp. 2

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



### TWO COMPONENT INTERMEDIATE EPOXY PAINT 302 SERIES: for high film build applications

**MIX RATIO:** 100 parts by weight Intermediate Epoxy Paint 302 series  
20 parts by weight Hardener 302 series

**THEORETICAL COVERAGE:** 0,150-0,200 kg/m<sup>2</sup> / 1 coat DFT 75-100 µm

**NONVOLATILE CONTENT:** 60% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maxim 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5-10% for airless

**POT LIFE, 20°C:** 8 hours

**DRYING:** - Surface dry: 1 hour (20°C)  
- Recoat: 4 hours (20°C)  
- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Intermediate Epoxy Paint 302 series – 20 kg, Hardener 302 series – 4 kg

**SHADES:** Red oxide, gray, cream, MIO, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg





## TWO COMPONENT ACRYLIC-POLYURETHANE TOPCOAT 351 SERIES:

**MIX RATIO:** 100 parts by weight Acrylic-polyurethane Topcoat 351 series;  
10 parts by weight Hardener HS 351 series.

**THEORETICAL COVERAGE:** 0,150-0,175 kg/m<sup>2</sup> / 1 coat DFT 60-80 μm

**NONVOLATILE CONTENT:** 60% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 395 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 6 hours

**DRYING:** - Surface dry: 1 hour (20°C)  
- Recoat : 15-20 min. „wet-on-wet“ (20°C)  
- Hard dry: 24 hours (20°C), 1 hour (60°C)

**PACKAGING:** Acrylic-polyurethane Topcoat 351 series – 20 kg, Hardener 351 HS series – 2 kg

**SHADES:** RAL card shades in varying degrees of gloss

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg



### PROPERTIES:

- Anticorrosion protective system with high film thickness
- Very good adhesion to steel, aluminum surfaces as well as to aging galvanized surfaces
- Excellent resistance to weathering, humidity, marine environments, aggressive industrial environments, ultraviolet radiation
- Resistance to dilute alkaline media, weak acidic media
- Good adhesion on plastics and/or fiberglass reinforced polyester
- Outstanding resistance in all types of climates and in very aggressive environments (up to C5M and C5I corrosion class according to ISO 12944 and ISO 9223)

### APPLICATIONS:

- Constructions, steel structures and metal fabrications
- Ship building: barges and river vessels (ballast tanks, interior and exterior decks, engine compartment installations, frozen warehouses, main engines etc.)
- Industrial tools and machinery (cranes, bridges, etc.), wagons, locomotives, containers
- Aeronautical industry, aircraft painting
- Painting of means of transport (cars, passenger wagons, buses, trams, trolleybuses, subways, etc.)
- Chemical industry
- Petrochemical industry, for interior and exterior painting of petroleum products storage tanks (crude oil, gasoline, diesel fuel, oils, solvents, etc.)

### APPROVALS:

- Technical approval for the epoxy products 302 series and for acrylic-polyurethane products 351 series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds - Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.





## ULTRA HIGH SOLIDS EPOXY-POLYURETHANE PROTECTIVE SYSTEM:

1. Two component Epoxy Primer 309 UHS series
2. Two component Intermediate Epoxy Paint 309 UHS series (if applicable)
3. Two component Acrylic-polyurethane Topcoat 351 series

### TWO COMPONENT EPOXY PRIMER 309 UHS SERIES:

**MIX RATIO:** 100 parts by weight of Epoxy Primer 309 UHS series  
15 parts by weight of Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,150-0,350 kg/m<sup>2</sup> / 1 coat DFT 100-200 µm

**NONVOLATILE CONTENT:** 80% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry (to touch): 1 hour (20°C)

- Recoat: 2 hours (20°C)

- For handling: 4 hours (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Primer 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** Red oxide, gray, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



### THE ADVANTAGES OF USING THE EPOXY PRIMER 309 SERIES:

- Quick drying under normal conditions;
- It can even be applied at a minimum temperature of **-15°C**;
- Tolerant to rust and moisture;
- It can be applied directly on lightly rusted steel surfaces;
- It can be applied directly on metallic surfaces prepared by water blasting.

### TWO COMPONENT INTERMEDIATE EPOXY PAINT 309 UHS SERIES: for high film build applications

**MIX RATIO:** 100 parts by weight Intermediate Epoxy Paint 309 UHS series  
15 parts by weight Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,250-0,350 kg/m<sup>2</sup> / 1 coat DFT 150-200 µm

**NONVOLATILE CONTENT:** 80% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry (to touch): 1 hour (20°C)

- Recoat: 2 hours (20°C)

- For handling: 4 hours (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Intermediate Epoxy Paint 309 UHS series – 27 kg, UHS Hardener 309 series – 4 kg

**SHADES:** Red oxide, gray, cream, MIO, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg





## TWO COMPONENT ACRYLIC-POLYURETHANE TOPCOAT 351 SERIES:

**MIX RATIO:** 100 parts by weight Acrylic-polyurethane Topcoat 351 series;  
10 parts by weight Hardener HS 351 series.

**THEORETICAL COVERAGE:** 0,150-0,175 kg/m<sup>2</sup> / 1 coat DFT 60-80 μm

**NONVOLATILE CONTENT:** 60% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 395 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 6 hours

**DRYING:** - Surface dry: 1 hour (20°C)  
- Recoat: 15-20 min. „wet-on-wet“ (20°C)  
- Hard dry: 24 hours (20°C), 1 hour (60°C)

**PACKAGING:** Acrylic-polyurethane Topcoat 351 series – 20 kg, Hardener 351 HS series – 2 kg

**SHADES:** RAL card shades in varying degrees of gloss

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg



### PROPERTIES:

- Anticorrosion protective system with high film build
- Very good adhesion to steel, aluminum surfaces as well as to aging galvanized surfaces
- Excellent resistance to weathering, humidity, marine environment, aggressive industrial environments, ultraviolet radiation
- Resistance to dilute alkaline media, weak acidic media
- Good adhesion on plastics and/or fiberglass reinforced polyester
- Outstanding resistance in all types of climates and in very aggressive environments (up to C5M and C5I corrosion class according to ISO 12944 and ISO 9223)

### APPLICATIONS:

- Constructions, structures and metal fabrications
- Ship building: barges and river vessels (ballast tanks, interior and exterior decks, engine compartment installations, frozen warehouses, main engines etc.)
- Industrial tools and machinery (cranes, bridges, etc.), wagons, locomotives, containers
- Aeronautical industry, aircraft painting
- Transportation (cars, passenger wagons, buses, trams, trolleybuses, subways, etc.)
- Chemical industry
- Petrochemical industry, for interior and exterior painting of petroleum products storage tanks (crude oil, gasoline, diesel fuel, oils, solvents, etc.)

### APPROVALS:

- Technical approval for the epoxy products 302 series and for acrylic-polyurethane products 351 series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds - Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.





## HIGH SOLIDS AQUAREZIST EPOXY "PROTECTIVE" SYSTEM 2 IN 1 – primer and paint:

### TWO COMPONENT EPOXY AQUAREZIST PAINT 309 UHS SERIES

**MIX RATIO:** 100 parts by weight Epoxy AQUAREZIST Paint 309 UHS series  
15 parts by weight Hardener 309 UHS series.

**THEORETICAL COVERAGE:** 0,800-0,875 kg/m<sup>2</sup>/ 2 coats DFT 500 μm

**NONVOLATILE CONTENT:** 78% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry: 30 min. (20°C)

- Recoat: 4 hours (20°C)

- For handling: 6 hours (20°C)

- Hard dry: 24 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Aquarezist Paint 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** RAL card shades in semi-gloss, MIO

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



### THE ADVANTAGES OF EPOXY AQUAREZIST PAINT 309 UHS SERIES:

- Quick drying under normal conditions;
- It can even be applied at a minimum temperature of **-15°C**;
- Tolerant to rust and moisture;
- It can be applied directly on lightly rusted steel surfaces;
- It can be applied directly on metallic surfaces prepared by water blasting.

### PROPERTIES:

- Two component, very high solids paint epoxy-phenalkamine with very good saltwater and fresh water resistance; very fast drying at normal temperature, the UHS (ultra high solids) film cures from -15°C up; humidity-and rust-tolerant product, achieves semi-gloss finishes
- It can be used as a single layer for anticorrosion protection and as final coat, in high film build systems, where excellent water resistance is required for parts immersed in both fresh and salted water
- Can be applied directly on slightly rusted metal surfaces, which are hand cleaned, blasted or water blasted
- Due to its very high non-volatile matter content (above 85%), it will achieve very high DFT (till 200 μm), in a single layer (by airless application). With special airless installations, the dry film thickness may even reach 500 microns in a single coat
- Outstanding resistance to weathering, high humidity, coastal environments, industrial aggressive media
- Resistance to alkali (diluted and concentrated), weak acidic media, petroleum products (mineral oils, gasoline, diesel fuel, aliphatic and aromatic hydrocarbons, etc.)
- Outstanding resistance to all types of climates and very aggressive environments (up to C5M and C5I corrosion class according to ISO 12944 and ISO 9223)

### APPLICATIONS:

- In long lasting protection systems, where a high DFT protection system is required
- Ship building: barges and river vessels (ballast tanks, interior and exterior decks, engine compartment installations, frozen warehouses, main engines etc.)
- Industrial tools and machinery (cranes, bridges, etc.)
- Petrochemical industry, for interior and exterior painting of petroleum products storage tanks (gasoline, diesel fuel, oils, solvents, etc.)
- Chemical industry, hydrotechnical industry

### APPROVALS:

- Technical approval for the epoxy products 309 UHS series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds - Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.





## HIGH SOLIDS AQUAREZIST EPOXY PROTECTIVE SYSTEM – mainly for hydrotechnical industry:

1. Two component Epoxy Primer 309 UHS series 150 microns DFT
2. Two component Epoxy AQUAREZIST Paint 309 UHS series 300 microns DFT

### TWO COMPONENT EPOXY PRIMER 309 UHS SERIES:

**MIX RATIO:** 100 parts by weight of Epoxy Primer 309 UHS series  
15 parts by weight of Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,200-0,225 kg/m<sup>2</sup> / 1 coat DFT 150 μm

**NONVOLATILE CONTENT:** 80% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10-15% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry (to touch): 1 hour (20°C)

- Recoat: 2 hours (20°C)

- For handling: 4 hours (20°C)

- Hard dry: 12 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Primer 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** Red oxide, gray, RAL card shades

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg

### THE ADVANTAGES OF USING THE EPOXY PRIMER 309 UHS SERIES:

- Quick drying under normal conditions;
- It can even be applied at a minimum temperature of **-15°C**;
- Tolerant to rust and moisture;
- It can be applied directly on lightly rusted steel surfaces;
- It can be applied directly on metallic surfaces prepared by water blasting.



### TWO COMPONENT EPOXY AQUAREZIST PAINT 309 UHS SERIES:

**MIX RATIO:** 100 parts by weight Epoxy Aquarezist Paint 309 UHS series  
15 parts by weight Hardener 309 UHS series

**THEORETICAL COVERAGE:** 0,500-0,550 kg/m<sup>2</sup> / 2 coats DFT 300 μm

**NONVOLATILE CONTENT:** 78% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 400 g/l (10% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**POT LIFE, 20°C:** 3 hours

**DRYING:** - Surface dry: 2 hours (20°C)

- Recoat: 3 hours (20°C)

- Hard dry: 48 hours (20°C), 1 hour (80°C)

**PACKAGING:** Epoxy Aquarezist Paint 309 UHS series – 27 kg, Hardener 309 UHS series – 4 kg

**SHADES:** RAL card shades in semi-gloss finishes, MIO

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg





**PROPERTIES:**

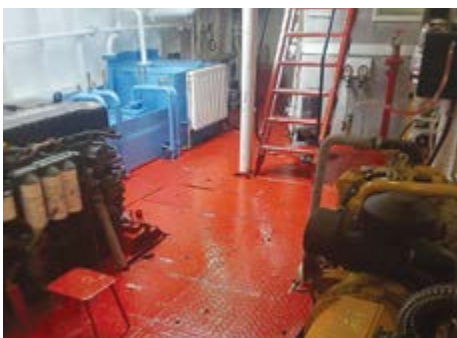
- Two component, very high non volatile matter paint epoxy-phenalkamine with very good salted and fresh water resistance; very fast drying at normal temperature, the UHS (ultra high solids) film cures from -15°C up; humidity-and rust-tolerant product, achieves semi-gloss finishes
- It can be used as a single layer for anticorrosion protection and as final coat, in high build film systems, where excellent water resistance is required for parts immersed in both fresh and salted water
- Can be applied directly on slightly rusted metal surfaces, which are hand cleaned, blasted or water blasted
- Due to its very high non volatile matter content (above 85%), it achieves very high DFT (till 200 µm) in a single layer (by airless application). With special airless installations, the dry film thickness may even reach 500 microns in a single coat
- Outstanding resistance to weathering, high humidity, coastal environments, industrial aggressive media
- Resistance to alkali (diluted and concentrated), weak acidic media, petroleum products (mineral oils, gasoline, diesel fuel, aliphatic and aromatic hydrocarbons, etc.)
- Outstanding resistance to all types of climates and very aggressive environments (up to the C5M and C5I corrosion class, according to ISO 12944 and ISO 9223)

**APPLICATIONS:**

- In long lasting protection systems, where a high DFT protection system is required
- Ship building: barges and river vessels (ballast tanks, interior and exterior decks, engine compartment installations, frozen warehouses, main engines etc.)
- Industrial tools and machinery (cranes, bridges, etc.)
- Petrochemical industry, for interior and exterior painting of petroleum products storage tanks (gasoline, diesel fuel, oils, solvents, etc.)
- Chemical industry
- Hydro-technical industry

**APPROVALS:**

- Technical approval for the epoxy products 309 UHS series issued by the Central Laboratory – Romanian Ministry of Regional Development of Public Administration and European Funds - Permanent Technical Council for Construction for the protection of civil and industrial metallic constructions.





## SILICONE-ACRYLIC ETHYL SILICATE:

temperature resistant protective system (up to 250°C)

1. Two component Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series

One component Ethyl Silicate Zinc Rich Inorganic Primer 701 M series

2. Silicone-Acrylic Temperature Resistant Topcoat 354 series

### TWO COMPONENT ETHYL SILICATE ZINC RICH INORGANIC PRIMER 701 2K SERIES:

**MIX RATIO:** 30 parts by weight Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series - component 1  
70 parts by weight Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series - component 2

**THEORETICAL COVERAGE:** 0,225-0,250 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 64% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 480 g/l (0% dilution).

**THINNING:** 0-5% for conventional air spray, 0-5% for airless application

**POT LIFE, 20°C:** 8 hours

**DRYING:** - Surface dry: 10-20 min. (20°C)

- Recoat: 5-10 min. "wet-on-wet" (20°C)

- Hard dry: 24 hours (20°C).

**PACKAGING:** Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series – 11 kg comp. 1 + 25 kg comp. 2

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 701 series - 4 kg, 20 kg



or

### ONE COMPONENT ETHYL SILICATE ZINC RICH INORGANIC PRIMER 701 M SERIES:

**THEORETICAL COVERAGE:** 0,225-0,250 kg/m<sup>2</sup> / 1 coat DFT 35-45 µm

**NONVOLATILE CONTENT:** 65% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 450 g/l (0% dilution)

**THINNING:** 0% for conventional air spray, 0-5% for airless

**DRYING:** - Surface dry: 15-30 min. (20°C)

- Recoat: 15-20 min. "wet-on-wet" (20°C)

- Hard dry: 24 hours (20°C)

**PACKAGING:** Ethyl Silicate Zinc Primer 701 M series – 35 kg

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg

### SILICONE-ACRYLIC TEMPERATURE RESISTANT TOPCOAT 354 SERIES:

**THEORETICAL COVERAGE:** 0,070-0,080 kg/m<sup>2</sup> / 1 coat DFT 25 µm

**NONVOLATILE CONTENT:** 50% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 480 g/l (5% dilution)

**THINNING:** 5% for conventional air spray, 5% for airless

**DRYING:** -Surface dry: 1 hour (20°C)

- Recoat: 15-20 min. "wet-on-wet" (20°C)

- For handling: 12 hours(20°C)

- Hard dry: 2 hours (180°C).

**PACKAGING:** Silicone-Acrylic Topcoat 354 series – 4 kg, 20 kg

**SHADES:** RAL card shades

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg



### PROPERTIES:

- Good resistance at high temperatures due to silicone resin and temperature resistant pigments; operating resistances up to 200°C can be reached
- The white, ultramarine, green, medium, black and blends of these shades can reach operating resistances up to 250°C
- Resistant to short-term exposure up to 300°C
- For the Aluminum Topcoat 354 series Silver (Bronze-Aluminum), the thermal resistance is up to 400°C
- Outstanding resistance to weathering, high humidity, coastal environments, industrial aggressive media
- Outstanding resistance in all types of climates and in very aggressive environments (up to the C4 corrosion class)
- Fast drying coating with quick handling properties



**APPLICATIONS:**

- For long term protection of hot pipelines, chimneys, furnaces and other steel parts exposed to high temperatures
- Chemical industry
- Petrochemical industry
- Energy industry

**SILICONE ETHYL SILICATE**

temperature resistant protective system (withstands 250-600°C):

**1. Two component Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series**

**One component Ethyl Silicate Zinc Rich Inorganic Primer 701 M series**

**One component Zinc Rich Silicone Primer 654 series**

**2. Silicone Temperature Resistant Topcoat 654 series**

**TWO COMPONENT ETHYL SILICATE ZINC RICH INORGANIC PRIMER 701 2K SERIES:**

**MIX RATIO:** 30 parts by weight Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series - component 1  
70 parts by weight Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series - component 2

**THEORETICAL COVERAGE:** 0,225-0,250 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 64% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 480 g/l (0% dilution)

**THINNING:** 0-5% for conventional air spray, 0-5% for airless application

**POT LIFE, 20°C:** 8 hours

- DRYING:**
- Surface dry: 10-20 min. (20°C)
  - Recoat: 5-10 min. "wet-on-wet" (20°C)
  - Hard dry: 24 hours (20°C)

**PACKAGING:** Ethyl Silicate Zinc Rich Inorganic Primer 701 2K series – 11 kg comp. 1 + 25 kg comp. 2

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 701 series - 4 kg, 20 kg



**or**  
**ONE COMPONENT ETHYL SILICATE ZINC RICH INORGANIC PRIMER 701 M SERIES:**

**THEORETICAL COVERAGE:** 0,225-0,250 kg/m<sup>2</sup> / 1 coat DFT 35-45 µm

**NONVOLATILE CONTENT:** 65% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 450 g/l (0% dilution)

**THINNING:** 0% for conventional air spray, 0-5% for airless

- DRYING:**
- Surface dry: 15-30 min. (20°C)
  - Recoat: 15-20 min. "wet-on-wet" (20°C)
  - Hard dry: 24 hours (20°C).

**PACKAGING:** Ethyl Silicate Zinc Primer 701 M series – 35 kg

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



**or**  
**ONE COMPONENT ZINC RICH SILICONE PRIMER 654 SERIES:**

**THEORETICAL COVERAGE:** 0,225-0,250 kg/m<sup>2</sup> / 1 coat DFT 50-60 µm

**NONVOLATILE CONTENT:** 55% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 490 g/l (8% dilution).

**THINNING:** 8% for conventional air spray, 5% for airless

- DRYING:**
- Surface dry: 30-45 min. (20°C)
  - Recoat: 5-10 min. "wet-on-wet" (20°C)
  - For handling: 1 hour (20°C)
  - For recovering with silicone topcoat 654 series: 24 hours (20°C)
  - Hard dry: 1 hour (230°C).

**PACKAGING:** Zinc Primer 654 series – 25 kg

**SHADES:** Zinc gray

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg





## SILICONE TEMPERATURE RESISTANT TOPCOAT 654 SERIES

250-600°C resistance, depending on the shade

**THEORETICAL COVERAGE:** 0,100-0,120 kg/m<sup>2</sup> / 1 coat DFT 25 µm

**NONVOLATILE CONTENT:** 35% volume

**VOC CALCULATED (EU) (DIRECTIVE 2004/42/EU):** Maximum 490 g/l (0% dilution)

**THINNING:** 10% for conventional air spray, 5% for airless

**DRYING:** - Surface dry: 15-30 min. (20°C)

- Recoat: 15-20 min. "wet-on-wet" (20°C)

- For handling: 1 hour (20°C)

- Hard dry: 1 hour (230°C).

**PACKAGING:** Silicone Topcoat 654 series – 4 kg, 20 kg

**SHADES:** According to RAL card

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg



### PROPERTIES:

- The bronze-aluminum silicone topcoats from the 654 series can resist to temperatures up to 550-600°C, whereas the white, ultramarine, green, middle, black and blends of these shades can reach operating resistances up to 250-400°C depending on color, due to silicone resin and temperature resistant pigments
- Very good adherence to blasted steel
- Outstanding resistance to weathering, high humidity, coastal environments, industrial aggressive media
- Outstanding resistance in all types of climates and in very aggressive environments (up to C4 corrosion class according to ISO 12944 and ISO 9223)
- Fast drying coating with quick handling properties
- The Silicone Topcoat 654 series can only be produced in white, ultramarine, green, middle green, black and blends of these shades
- The Bronze-Aluminum Silicone Topcoat 654 series can only be manufactured in silver shade (the actual shade of Aluminum powder)

### APPLICATIONS:

- For long term protection of hot pipelines, chimneys, furnaces and other steel parts exposed to high temperature
- Chemical industry
- Petrochemical industry
- Energy industry





## PROTECTION SYSTEMS FOR CONCRETE FLOORS

### EPOXY – POLYAMIDE FLOORING PAINT 302 P SERIES SYSTEM:

System for interior concrete surfaces protection (for light to medium traffic areas, imparts waterproofing, mechanical and chemicals resistance)

1. Two component Impregnating colorless Epoxy-polyamide Primer 302 series
2. Two component Epoxy-polyamide Flooring Paint 302P series

### IMPREGNATING COLOURLESS 2K EPOXY– POLYAMIDE PRIMER 302 SERIES: apply 1 coat

It fills up the pores of the substrate thus ensuring excellent adhesion to the substrate. The surface to be primed needs to be thoroughly dry and clean (at least 28 days old for freshly hardened concrete and/or 7 days for applications on screedings/concrete toppings).

**MIXING RATIO:** 100 parts by weight of Impregnating Epoxy Primer 302 series  
20 parts by weight of Hardener 302

**THEORETICAL COVERAGE:** 0,150 kg/m<sup>2</sup>/ 1 coat

**THINNING:** 10-15% for brushing

**PACKAGING:** Impregnating Epoxy Primer 302 series - 20 kg, Hardener 302 – 4 kg

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



After the primer has been applied, any cracks in the concrete will be patched up and sanded using **CHIMEPOX P** (a purposely designed product for such applications)

**MIXING RATIO:** 100 parts by weight of Chimepox P –comp. A  
100 parts by weight of Chimepox P –comp. B

**PACKAGING:** 1 kg Chimepox P – comp. A, 1 kg Chimepox P – comp. B

### TWO COMPONENT EPOXY FLOORING PAINT 302 P SERIES: apply 2 coats

**MIXING RATIO:** 100 parts by weight of Epoxy Flooring Paint 302 series  
20 parts by weight of Hardener 302 series

**THEORETICAL COVERAGE:** 0,300-0,350 kg/m<sup>2</sup>/ 2 coats

**THINNING:** 0-5% for brush, roller

**APPLY:** 2 coats of Epoxy Flooring Paint 302 P series over the previously primed surface (impregnated with Impregnating Epoxy Primer 302 series), at 4 hours intervals between coats (20°C); allow 24 hours (20°C) after completing the priming process.

**PACKAGING:** Epoxy Flooring Paint 302P series - 20 kg, Hardener 302 series – 4 kg

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg



#### PROPERTIES:

- It is used as a finishing coating in all types of construction applications as a durable decorative finish for concrete, asphalt, mosaic, epoxy or polyurethane floors
- It has very good adhesion to concrete, epoxy, polyurethane floorings etc.
- Excellent resistance to mechanical stresses, vibration, weathering, humidity, marine and/or aggressive industrial environments
- Resistance to alkaline media (diluted and concentrated), weak acidic media, petroleum products (mineral oils, petrol, diesel, aliphatic and aromatic hydrocarbons etc.)
- Outstanding resistance in different types of operational climates and even in highly aggressive environments (up to C4 class)

#### APPLICATIONS

- As flooring protection systems required to have high durability
- In the shipping industry (internal and external decks)
- In any area where floorings need to withstand different operational climates and aggressive media

#### APPROVALS:

- EC declaration of conformity in accordance with Directive 89/106 / EEC, registration in the Unique Registry



## ACRYLIC – POLYURETHANE FLOORING PAINT 351 P SERIES SYSTEM:

System for exterior concrete surfaces (for light and medium traffic areas, has excellent outdoor weathering resistance)

1. Two component Impregnating colorless Epoxy-polyamide Primer 302 series
2. Two component Acrylic-polyurethane Flooring Paint 351P series

### IMPREGNATING COLOURLESS 2K EPOXY – POLYAMIDE PRIMER 302 SERIES: apply 1 coat

• It fills up the pores of the substrate thus ensuring excellent adhesion to the substrate. The surface to be primed needs to be thoroughly dry and clean (at least 28 days old for freshly hardened concrete and/or 7 days for applications on screedings/concrete toppings).

**MIXING RATIO:** 100 parts by weight of Impregnating Epoxy Primer 302 series  
20 parts by weight of Hardener 302

**THEORETICAL COVERAGE:** 0,150 kg/m<sup>2</sup> / 1 coat

**THINNING:** 10-15% for brushing

**PACKAGING:** Impregnating Epoxy Primer 302 series - 20 kg, Hardener 302 – 4 kg

**COMPATIBLE THINNER:** Thinner 302 series - 4 kg, 20 kg

After the primer has been applied, any cracks in the concrete will be patched up and sanded using **CHIMEPOX P** (a purposely designed product for such applications)

**MIXING RATIO:** 100 parts by weight of Chimepox P –comp. A  
100 parts by weight of Chimepox P –comp. B

**PACKAGING:** 1 kg Chimepox P –comp. A, 1 kg Chimepox P –comp. B

### TWO COMPONENT ACRYLIC – POLYURETHANE FLOORING PAINT 351P SERIES: apply 2 coats

**MIXING RATIO:** 100 parts by weight of Acrylic-Polyurethane Flooring Paint 351P series;  
7.5 parts by weight of Hardener 351 HS series

**THEORETICAL SPREADING RATE:** 0,300-0,350 kg/m<sup>2</sup> / 2 coats

**THINNING:** 0-5% for brush

**APPLY:** 2 coats of Acrylic – Polyurethane Flooring Paint 351P series, at intervals of 4 hours between coats (20°C) will be applied, on the surface impregnated with Impregnating Primer 302 series, at 24 hours (20°C) after this has been applied.

**PACKAGING:** Acrylic – Polyurethane Flooring Paint 351P series - 20 kg, Hardener 351 HS series – 1.5 kg

**COMPATIBLE THINNER:** Thinner 351 series - 4 kg, 20 kg

#### PROPERTIES:

- Recommended for painting the floor, exterior / interior
- Outstanding resistance to weathering, UV, humidity, coastal environments, aggressive industrial media
- Outstanding resistance in different types of climates and in very aggressive environments – till aggressive C4 class

#### APPLICATIONS:

- In flooring protection systems that are required to be very durable over time
- In any area where flooring with special resistances are required for different aggressive agents (as can be seen from the description of the properties)





## ROAD MARKING PAINT

### ONE COMPONENT ACRYLIC ROAD MARKING PAINT 422 SERIES:

**THEORETICAL COVERAGE:** 0,400-0,500 kg/m<sup>2</sup> / coat for dry film thickness of 250-300 µm

**DRYING:** - Surface drying (dry to touch): 20-25 minutes at 20°C

- For traffic return to service: 30-45 minutes at 20°C ambient temperature

**THINNING:** - 0-5% for road marking machine

- 10% for brush application

- 15% for conventional air spray application

**COLORS:** White, yellow, red, black, RAL card shades upon request

**PACKAGING:** Road Marking Paint 422 series - 30 kg white, 25 kg for other colors

**GLASS BEADS:** 25 kg bags (to be used at 20% by weight to the wet paint; to be applied immediately after the application)

**COMPATIBLE THINNER:** Thinner 422 series - 4 kg, 20 kg



### PROPERTIES:

- One-component solvent based road marking paint, based on thermoplastic acrylic resins for marking public roads, carparks, factory floors etc
- Product with very good resistance to abrasion and weathering
- It has very good adhesion to asphaltic/bituminous surfaces and concrete
- Good retroreflective, luminance and skid resistance film properties
- Film durability and overall performance can be enhanced by using drop-on reflective glass beads in combination with the actual coating, to provide clean lines of high visibility
- Quick drying paint, highly recommended for road marking, where the traffic can only be stopped for short periods of time (to apply the coating)

### APPLICATIONS:

- Effective signposting of road markings, both during day and night
- Especially recommended for longitudinal road marking lines on bitumen roads and concrete/cementitious substrates

### APPROVALS:

- It is tested and certified by the Bundesanstalt für Straßenwesen BAST Germany (Federal Institute for Highways and Roads), for good use as road marker paint for 1.000.000 passes.
- It is also certified by INCERTRANS (Transport Research Institute) Bucharest Romania.





## WATER BASED DECORATIVE PRODUCTS for the construction field

### PRIMERS

#### TUCAN PRIMER - TRANSPARENT IMPREGNATION PRIMER

Fast drying, environmentally friendly, styrene-acrylic impregnating primer.

**THEORETICAL COVERAGE:** up to 70-80 g/m<sup>2</sup> / one layer, depending on dilution and substrate porosity.

**DILUTION:** 1:1 up to 1:3 water dilution (by volume).

• One coat of impregnation primer is normally sufficient for good coverage and substrate protection.

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Roller, brush, conventional air spray application, airless equipment.

For good substrate penetration, paint brush application is recommended, whenever possible.

**PACKAGING:** Plastic pails (PP) of 1 L, 3.4 L, 10 L.

**COMPATIBLE THINNER:** Water.



#### PROPERTIES:

- Product used for protecting the supporting structures frequently used in construction, ensuring maximum penetration of porous surfaces (due to its low viscosity and lack of pigments). It is used for strengthening and increasing the adhesion to substrate, reducing also the specific consumption for the subsequently applied product.
- It has excellent adhesion to supports made of polished concrete, smooth plaster, wood, plywood, lime plaster – gypsum, gypsum boards. It can be applied on paper or cardboard as well.
- The TUCAN Primer can be covered with TUCAN Emulsion Paints for interior or exterior, with Decorative Plaster TUCAN or with PERFECTWEISS Emulsion Paint.

#### APPLICATIONS:

- Interior and exterior finishing of civil and industrial buildings
- DIY domain (Do it yourself), for a variety of substrates

#### TUCAN - IMPREGNATION PRIMER FOR ROOF TILES

Fast drying, environmentally friendly, 100% acrylic impregnating primer.

**THEORETICAL COVERAGE:** Up to 70-80 g/m<sup>2</sup> / one layer, depending on dilution and substrate porosity.

**DILUTION:** Maximum 10-15% by volume.

• One coat of impregnation primer is normally sufficient for good coverage and substrate protection.

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Roller, brush paint, conventional air spray application, airless equipment. For

good substrate penetration, paint brush application is recommended, whenever possible.

**PACKAGING:** Plastic pails (PP) of 1 L, 3.4 L, 10 L.

**COMPATIBLE THINNER:** Water.



#### PROPERTIES:

- Product mainly used like a primer for concrete roof tiles, before applying TUCAN Emulsion Paints, ensuring maximum penetration of porous surfaces (due to its low viscosity and lack of pigments). It is used for strengthening and increasing the adhesion to substrate, reducing also the specific consumption for the subsequently applied product.
- It has excellent adherence to supports made of polished concrete, smooth plaster, wood, plywood, lime plaster – gypsum, gypsum boards.
- The TUCAN Impregnation Primer for roof can be covered also with TUCAN Emulsion Paints for interior or exterior, with TUCAN Decorative Plaster, with PERFECTWEISS Emulsion Paint.

#### APPLICATIONS:

- Primer for the concrete roof tiles
- Primer for exterior finishing of civil and industrial buildings, especially in regions with humid climate and large temperature variations



## TUCAN QUARTZ PIGMENTED PRIMER

TUCAN Quartz Pigmented Primer is a fast drying, environmentally friendly, antifungal, styrene-acrylic impregnation and cover ground coat.

- This primer can be supplied in white or coloured just like the decorative plaster to cover it.

**THEORETICAL COVERAGE:** 0.3-0.4 kg/m<sup>2</sup>/ one layer.

- Usage level depends on the substrate type and the applied layer thickness. The right coverage should be determined upon testing.

**DILUTION:** Maximum 10%.

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 2-3 hours (20°C)

**APPLICATION METHODS:** Paint brush or roller. For a better support penetration, paint brush application is recommended, whenever possible.

**PACKAGING:** Plastic pails (PP) of 15 kg, 25 kg.

**COMPATIBLE THINNER:** Water.

### PROPERTIES:

- TUCAN Quartz Pigmented Primer can be applied both indoors and outdoors for priming of porous substrates of different nature, in order to increase the system durability and reduce the specific consumption of the subsequently applied product. The films show good water vapour transmission rates thus facilitating the substrates' breathing.
- It has an excellent adhesion to all types of construction materials: cement plaster, gypsum plaster, brick, gypsum boards, concrete etc.
- The primer film can be covered with TUCAN Decorative Plasters.
- Due to the content of quartz and acrylic resins, the film has superior inter-coating adhesion to the applied topcoats.

### APPLICATIONS:

- Interior and exterior finishings for civil and industrial buildings
- DIY domain (Do it yourself), for a variety of substrates





## EMULSION PAINTS

### TUCAN ACRYLIC EXTERIOR EMULSION PAINT

Fast drying, antifungal, environmentally friendly, acrylic emulsion paint for buildings facades.

- The Tucan Acrylic Exterior Emulsion Paint is usually produced in white shades.
- The white colour can be tinted to any pastel shade using TUCAN Universal Tinting Pastes (according to CHIMTITAN colour card) or other colour standards (upon request).

**THEORETICAL COVERAGE:** 6 – 8 m<sup>2</sup>/kg / one layer or 3 – 4 m<sup>2</sup>/kg / two layers.

**DILUTION:** 5-10% for airless equipment, 5-20% for conventional air spray application; undiluted for brush or roller application.

**DRYING:** - Surface dry: 30 min. (20°C)  
- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Roller, brush paint, conventional air spray application, airless equipment.

**PACKAGING:** Plastic pails (PP) of 1 L, 2.5 L, 10 L, 15 L.

**COMPATIBLE THINNER:** Water.



#### PROPERTIES:

- By applying this coating a matt, durable finishing for facades is achieved, with high resistance to weathering and/or washing with water and detergents.
- It has good hiding power, low dirt pick-up and it is also mildew proof.
- It has an excellent adhesion to substrates like cementitious and plasters of different types, wood, plywood, lime-gypsum coatings, gypsum cardboard (like painted type finishing). It can even be applied on its own on cardboard and paper.
- It has good resistance to light and outstanding outdoor weathering properties.
- It has a high resistance to yellowing and to the highly alkaline construction materials,
- The film is very flexible and presents good permeability to water vapours thus facilitating substrate breathing.
- It is suitable for direct application onto the substrate or over the TUCAN transparent impregnation primer.



#### APPLICATIONS:

- Interior and exterior finishing of civil and industrial buildings
- DIY domain (Do it yourself), for a variety of substrates





## TUCAN ACRYLIC INTERIOR EMULSION PAINT

Acrylic emulsion paint for interior applications, fast drying, antifungal, environmentally friendly.

- The Tucan Acrylic Interior Emulsion Paint is usually produced in white shades.
- The white colour can be tinted to any pastel shade using TUCAN Universal Tinting Pastes (according to CHIMTITAN colour card) or other colour standards (upon request).

**THEORETICAL COVERAGE:** 6 – 8 m<sup>2</sup>/kg / one layer, or 3 – 4 m<sup>2</sup>/kg / two layers.

**DILUTION:** 5-10% for airless equipment, 5-20% for conventional air spray application; undiluted for brush or roller.

**DRYING:** - Surface dry: 30 min. (20°C)  
- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Roller, brush paint, conventional air spray application, airless equipment.

**PACKAGING:** Plastic recipients (PP) of 1 L, 2.5 L, 10 L, 15 L.

**COMPATIBLE THINNER:** Water



### PROPERTIES:

- Product that will achieve a durable, matt finishing, with high resistance to washing with high resistance to weathering and washing with water and detergents.
- It has good hiding power, low dirt pick-up and it is also mildew proof.
- It has an excellent adhesion to substrates like cementitious and plasters of different types, wood, plywood, lime-gypsum coatings, gypsum cardboard (like painted type finishing). It can even be applied on its own on cardboard and paper.
- It has good resistance to light and outstanding outdoor weathering properties.
- It has a high resistance to yellowing and to the highly alkaline construction materials.
- The film is very flexible and presents good permeability to water vapours thus facilitating substrate breathing.
- It is suitable for direct application onto the substrate or over the TUCAN transparent impregnation primer.

### APPLICATIONS:

- Interior finishing of civil and industrial buildings
- DIY domain (Do it yourself), for a variety of substrates





## PERFEKT WEISS SUPER WHITE EMULSION INTERIOR PAINT

Styrene-acrylic emulsion paint for interior applications, fast drying, antifungal, environmentally friendly.

- The PERFEKT WEISS emulsion paint is usually produced in white shade. The white colour can be tinted to any pastel shade using the TUCAN Universal Tinting Pastes.

**THEORETICAL COVERAGE:** 6 – 8 m<sup>2</sup> /kg / one layer (10-12 m<sup>2</sup> /l / one layer)

**DILUTION:** 5-10 % for airless equipment, 15-20% for conventional air spray application; undiluted for brush or roller.

- Two coats of paint are normally applied. An extra coat is only recommended if the surface needed reparations or the old coating has a strong tone.

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Roller, brush paint, conventional air spray application, airless equipment.

**PACKAGING:** Plastic recipients (PP) of 4 kg, 13 kg, 22 kg.

**COMPATIBLE THINNER:** Water

### PROPERTIES:

- The product provides a very bright white finishing due to its high white pigment content. The film is matt, durable, mildew proof and has great hiding power.

- It has excellent adhesion to cementitious substrates such as, but not only to, cement-lime, lime-gypsum coatings, gypsum cardboard, brick, concrete etc.

- It has good resistance to sunlight, yellowing and to highly alkaline construction materials and/or products.

- The film presents good permeability to water vapours thus facilitating substrate breathing.

- It is suitable for direct application onto the substrate or over the TUCAN transparent impregnation primer.

### APPLICATIONS:

- Interior finishing of civil and industrial buildings

- DIY domain (Do it yourself), for a variety of substrates





## TUCAN EMULSION PAINT FOR ROOF TILES

Environmentally friendly, acrylic emulsion paint for concrete roof tiles.

Emulsion paint for roof tiles can be made in different shades: white, ochre, red oxide, ultramarine, brown, grey, terracotta, black (or derivatives) or other shades (upon request).

**THEORETICAL COVERAGE:** 6 – 8 m<sup>2</sup> /kg / one layer (10-12 m<sup>2</sup> /l / one layer).

**DILUTION:** 5-10% for airless equipment, 5-20% for conventional air spray application; undiluted for brush or roller.

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 3 hours (20°C)

**APPLICATION METHODS:** Paint brush, roller, conventional air spray application, airless equipment.

**PACKAGING:** Plastic pails (PP) of 4 kg, 14 kg.

**COMPATIBLE THINNER:** Water.



### PROPERTIES:

- It has good resistance to daylight and to outdoor weathering. The film is very flexible and presents good water vapour permeability but is also water repellent (due to the specially formulated acrylic latex).
- It has a great hiding power, low dirt pick-up and is also mildew proof.
- It has an excellent adhesion to substrates like: concrete roof tiles, primed metal sheet, smooth cement, plaster, wood, plywood, lime-gypsum coatings, gypsum cardboard (like painted type finishing)
- The paint may be applied on concrete roof tiles after the surface was primed with TUCAN Impregnation primer.
- The paint may also be applied on metal sheets primed with Epoxy Primer 302 series, the system has a very good durability.
- By applying this coating a matt, durable finishing is achieved, with good weathering properties and high resistance to washing with water and detergents.
- It has a high resistance to yellowing and to highly alkaline construction materials and/or products.
- It is suitable for direct application onto the substrate or over the TUCAN impregnation primer for roof tiles.

### APPLICATIONS:

- The paint is applied on concrete roof tiles, after the surface was primed with Impregnation Primer for roof tiles (preferred use). It can also be applied also onto metal sheets primed with Epoxy Primer 302 series.
- Being an excellent exterior paint, it is recommended to be applied on concrete or plaster facades or fences, in regions with humid climate and with large temperature variations.





## DECORATIVE PLASTERS

### TUCAN DECORATIVE PLASTER (WITH TEXTURED AND SCRATCHED ASPECT)

Environmentally friendly decorative plaster based on acrylic latex. The product has a decreased impact on the environment.

TUCAN decorative plaster is produced in white shade and/or any coloured shade, according to CHIMTITAN colour card or other colour standards requested by the customers.

#### THEORETICAL COVERAGE:

- Granulation 0.5 mm: 14 m<sup>2</sup> / 25 kg
- Granulation 1 mm: 12 m<sup>2</sup> / 25kg
- Granulation 1.5 mm: 10 m<sup>2</sup> / 25 kg
- Granulation 2 mm: 8 m<sup>2</sup> / 25 kg
- Granulation 2.5 mm: 7 m<sup>2</sup> / 25 kg
- Granulation 3 mm: 6 m<sup>2</sup> / 25 kg

**DILUTION:** Non-diluted or diluted with maximum 2% water.

**DRYING:** 24 – 48 hours, 20°C (depending on layer thickness and environment temperature).

**APPLICATION METHODS:** Stainless steel and plastic trowel (for scratched aspect).

**PACKAGING:** Plastic pails (PP) of 25 kg.

**COMPATIBLE THINNER:** Water

#### PROPERTIES:

• By applying this product both outdoors or indoors, a high quality finishing, with robust texture is achieved (more or less accentuated depending on dilution and application), covering very well all the surface defects/imperfections.

• It can be produced in various types with various granulation:

- Decorative plaster with textured effect: 0.5mm, 1mm, 1.5mm, 2.5 mm, 3mm
- Decorative plaster with scratched effect: 1.5mm, 2 mm, 2.5 mm, 3mm.

• It has an excellent adhesion to the substrate and is mildew resistant.

• The film is matt, hard, resistant to scratching, mechanical shocks and permeable to water vapours but waterproof in the meantime.

• Good resistance to natural light, weathering, temperature variations and highly alkaline construction materials and/or products.

• It can be applied on any mineral substrates (such as, but not restricted to): lime-cement plaster, gypsum and lime coatings, concrete, gypsum cardboards, as well as on old paint films that are friction and wear resistant.

• It can be applied over the TUCAN Transparent Impregnation Primer or the TUCAN Quartz Pigmented Primer.

• It can be repainted with TUCAN Emulsion Paints (for outdoor or indoor).

#### APPLICATIONS:

- Exterior and interior finishing for civil and industrial buildings
- DIY domain (Do it yourself), for a variety of substrates





## TUCAN QUARTZ PLASTER

Environmentally friendly, acrylic emulsion based decorative plaster.

• It comes in two types:

1. **Granules size:** 0.7– 1.2 mm

2. **Granules combination:** of 0.7–1.2 mm and 1.2–1.8 mm.

**THEORETICAL COVERAGE:** 3-4 kg/m<sup>2</sup> – granulation 0.7-1.2 mm

4-5 kg/m<sup>2</sup> – granulation 1.2-1.8 mm

**DILUTION:** Must be applied undiluted or diluted with maximum 2% water.

**DRYING:** 24–48 hours, 20°C (depending on layer thickness and environment temperature).

**APPLICATION METHODS:** Using stainless steel pads.

**PACKAGING:** Plastic pails (PP) of 25 kg.

**COMPATIBLE THINNER:** Water.

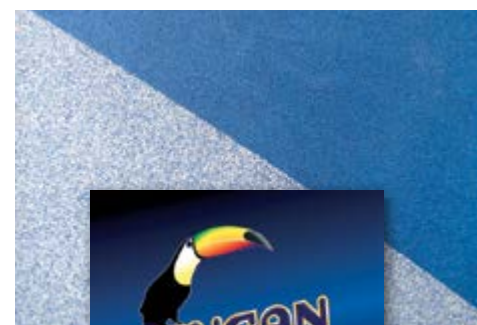


### PROPERTIES:

- This product, applied both outdoors or indoors, achieves a high quality finishing, with robust texture that covers very well all the surfaces imperfections (it can cover even the cracks present sometimes in coatings).
- It has an excellent adhesion to substrate and is mildew and dirt resistant.
- The films are hard, resistant to scratch, mechanical shocks and permeable to water vapours but waterproof in the meantime. It is easy to wash with water and/or detergents.
- Good resistance to natural light, weathering, temperature variations and the high alkalinity in constructions.
- It can be applied onto any mineral substrate (such as, but only restricted to): lime-cement plaster, gypsum and lime coatings, concrete, gypsum cardboards, as well as onto old paint films that are friction and wear resistant.
- It can also be applied over TUCAN transparent impregnation primer films.

### APPLICATIONS:

- In buildings with walls which are subjected to high loadings and/or stresses: bank offices, hotels, staircases, foyers, administrative buildings, supermarkets, schools, industrial halls, food premises (butchery, bakery, bars, restaurants), gym, underground parking, garages. It can also be applied indoors for decorative purpose (columns, arcades).
- On building facades, especially on pedestals.
- DIY domain (Do it yourself), for a variety of substrates.





## SPECIAL VARNISHES

### TUCAN ACRYLIC VARNISH FOR MASONRY AND STONE

The product has a decreased impact on the environment.

**THEORETICAL COVERAGE:** 8 – 10 m<sup>2</sup>/kg / one layer.

**DILUTION:** 5-10% for airless equipment, 5-20% for compressed-air pistol application; undiluted for brush or roller application. The dilution depends also on the type of finish: decorative or protective.

- Apply one or two layers of TUCAN Acrylic Varnish, depending on the application purpose:
  - To protect a previously painted surface: apply one varnish layer
  - To coat an unpainted surface: apply 2 varnish layers

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Brush, roller, airless equipment, conventional air spray application.

**PACKAGING:** Plastic pails (PP) of 0.75 L, 3.4 L, 10 L.

**COMPATIBLE THINNER:** Water

#### PROPERTIES:

- Product available in two types of finishes: matt and glossy, upon request.
- Durable interior and exterior films are achieved, with low dirt pick-up resistant and mildew proof, having high resistance to washing with water and detergents.
- It has an excellent adhesion to substrates like natural stone, smooth cements, plaster, wood, plywood, lime-gypsum coatings, gypsum cardboard etc.
- It has good weathering properties and high resistance to UV rays.
- It has a high resistance to the highly alkaline materials and/or products used in the construction industry, the film also allows substrate breathing.
- The films have got good flexibility and present good water vapour permeability.
- It can be applied directly onto the support as colourless impregnation primer (diluted with water 1/1) or/and like a protective varnish (undiluted).

#### APPLICATIONS:

- Interior and exterior finishing for masonry or stone substrates in civil and industrial buildings
- DIY domain (Do it yourself), for a variety of substrates



### TUCAN ACRYLIC VARNISH FOR ROOF TILES AND MASONRY

Environmentally friendly varnish based on a pure acrylic latex for concrete roof tiles, normally applied after coating with TUCAN emulsion paint. It can also be used for outdoor masonry and stone substrates.

**THEORETICAL COVERAGE:** 8 – 10 m<sup>2</sup>/kg / one layer.

**DILUTION:** 5-10% for airless equipment, 5-20% for compressed-air pistol application; undiluted for brush or roller application. The dilution depends also on the type of finish: decorative or protective.

- Apply one or two layers of TUCAN Acrylic Varnish, according the purpose of the application:
  - To protect a previously painted surface: apply one varnish layer
  - To coat an unpainted surface: apply 2 varnish layers

**DRYING:** - Surface dry: 30 min. (20°C)

- Hard dry: 2 hours (20°C)

**APPLICATION METHODS:** Paint brush, roller, airless equipment, conventional air spray application.

**PACKAGING:** Plastic pails (PP) of 0.75 L, 3.4 L, 10 L.

**COMPATIBLE THINNER:** Water





**PROPERTIES:**

- Product available in two types of finishes: matt and glossy, upon request.
- A durable exterior finishing is achieved, with low dirt pick-up and mildew proof, having high resistance to washing with water and detergents
- It has an excellent adhesion to substrates like concrete roof tiles and natural stone, smooth cement, plaster, wood, plywood, lime-gypsum coatings, gypsum cardboard.
- It has good resistance to daylight and excellent outdoor weathering properties.
- It has a high resistance to highly alkaline construction materials and/or products and the cured film also facilitates the substrate breathing.
- The films are flexible and present good water vapour permeability.
- It can be applied directly onto the support as a colourless impregnation primer (diluted with water 1/1) or/and like a protective varnish (undiluted).

**APPLICATIONS:**

- Paint for the concrete roof tiles
- Paint for exterior finishing of civil and industrial buildings, especially in regions with humid climate and large temperature variations

**TUCAN ECOLOGIC COLORED VARNISH**

This environmentally friendly, single-component, quick-drying acrylic lacquer is used to protect wood surfaces of all nature, in all types of exposure conditions.

**THEORETICAL COVERAGE:** 8 – 10 m<sup>2</sup>/l /one layer.

**DILUTION:** Must be applied undiluted. The product is delivered ready for use.

- DRYING:**
- Surface dry: 40 min. (20°C)
  - Dry to recoat: 3 hours (20°C)
  - Hard dry: 4 hours (20°C).

**APPLICATION METHODS:** Paint brush, roller and conventional air spray application.

**PACKAGING:** Plastic pails (PP) of 0.75 L, 3.4 L.

**COMPATIBLE THINNER:** Water



**PROPERTIES:**

- The product can be supply both glossy and matt, transparent or tinted according to the CHIM-TITAN colour card and the any of the standards requested by the customers.
- The varnish films have a good resistance to wear and to household chemicals.
- It is easy to apply as supplied and has got good levelling properties, it maintains the natural look of wood.
- The varnish is designed for the treatment of wooden surfaces (varnishing of doors, joinery, carpentry, etc.), wooden floors and timber furniture exposed to normal “wear and tear” conditions. It can be used both indoors and outdoors, having good resistance to weathering and UV radiation.
- The varnish has good adhesion to pre-finished or previously coated old wood surfaces. It is recommended to check adhesion to previously coated areas.

**APPLICATIONS:**

- Finishing and protection of wood substrates like panels, fences, garden furniture, wooden houses, doors, windows, houses floors etc.
- Water based lacquer giving high quality surfaces with good scratch resistance and resistance to various chemical agents.





## OTHER PRODUCTS

### TUCAN REPAIRING PUTTY

Environmentally friendly, fast drying, one component acrylic latex based putty.

**DILUTION:** Do not dilute the product any further. In exceptional cases uses only a small amount of water.

**DRYING:** - Surface dry: 1-2 hours (depending on the temperature and humidity)  
- For polishing: 2-4 hours (depending on the temperature and humidity)

**APPLICATION METHODS:** Use a putty knife.

**PACKAGING:** Plastic tubs (PP) of 0.8 kg, 1.7 kg.

**COMPATIBLE THINNER:** Water

#### PROPERTIES:

- Product designed to efficiently fill the the holes, cracks, gaps and/or other surface defects for different surfaces: wood, masonry, primed metal sheets.
- It can be covered with any type of emulsion paints or solvent based paints: alkyd, acrylic, epoxy etc.

#### APPLICATIONS:

- It can be applied on wood or masonry substrates for filling the holes, cracks, gaps and/or other surface defects; for sealing and flattening off the actual surfaces to be subsequently coated.
- It can be applied also on metal primed sheets.





## TUCAN UNIVERSAL TINTING PASTE

TUCAN Universal Tinting Pastes are environmentally friendly universal colouring pastes/pigment concentrates.

TUCAN Universal Tinting Pastes are available in the following colours: yellow, citron-yellow, cream, ochre, orange, peach, red, rubin red, red oxide, brick colour, terracotta, brown, green oxide, green, turquoise, blue, ultramarine blue, black.

• Theoretical specific consumption - 50 mL TUCAN Universal Tinting Paste will normally tint:

- **Pastel shades:** 25-75 kg composition (white base paint)
- **Accentuated shades:** 3-8 kg composition (white base paint)

**PACKAGING:** Plastic tubs (PP) of 50 ml.

**COMPATIBLE THINNER:** Water



### PROPERTIES:

TUCAN universal colouring paste may be used:

- For **tinting aqueous composition** like: emulsion paints, decorative plasters, wood varnishes and stains, clay, lime, concrete and other aqueous compositions used in building industry;
- For **tinting solvent paints and varnishes** like: alkyd paints, oil based paints.
- The product is **only used for colouring** purposes. It does not form a film on its own.
- The pastes have a **very strong colour power**.
- The finished films achieved have got good resistance to daylight and to outdoor weathering, but also good resistance to the highly alkaline substrates, construction materials and/or products.
- Both pastel and accentuated shades may be obtained, the colours obtained providing a pleasant overall look to the finished coating.
- Maximum paste consumption is 6% by weight to the base paint.

### APPLICATIONS:

- Colouring **aqueous composition** like: emulsion paints, decorative plasters, clay, lime, concrete and other aqueous compositions/products used in the building industry;
- Colouring **wood varnishes and stains** (interior or exterior). Semi-transparent films like „LAZUR” (varnish stains) may also be obtained.
- Colouring **solvent based paints and varnishes** like: alkyd paints, oil based paints, etc.
- **Wood stains** may be obtained for DIY uses: the tinting pastes can be blended in water (create 1% - 6% solutions in water, in accordance with the shade and degree of transparency desired).
- DIY domain (Do it yourself), for a variety of base coatings into which the pigment concentrates can be blended in, to be subsequently applied to different substrates.





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