



**Coatings for metal,
wood, plastic,
ceramics and glass**



HELIOS – YOUR WORLD, OUR PAINTS



Colour plays an important role in our life. With colour design, moods and atmospheres can be created, which can influence the well-being. At the same time colours and paints fulfill also technical features. At HELIOS we strive for continuous developments following the world's newest trends in architectural coatings. In the process of constant formulation upgrades of our high-quality coatings, we are particularly focused on accelerating the elimination of environmentally harmful substances, and the introduction of new ones that will be nature- and human-friendly. By doing so, we also develop brand new products which consistently respect the most strict ecological standards and recommendations.

HELIOS is one of the most successful brands in the field of architectural coatings and has throughout the years developed to be a full-range partner to paint and decorate every surface – wall, facade, concrete, metal, plastic, wood and parquet. The brand offers specific products for end customers, but also for professional users. The four subbrands (SPEKTRA, BORI, TESSAROL and IDEAL) fill the needs of consumers inside and outside their homes.

Let your inspiration run wild, paint the boring and uninteresting metal or wooden objects with lively colour shades. Your spaces and objects will come to life in a different form with TESSAROL and become part of a new story.

TESSAROL

ACRYLIC ENAMEL / ACRYLIC ENAMEL SATIN

Quick drying with no unpleasant odours



- Satin and glossy top coat
- Environmentally friendly
- Thinning with water
- Stable gloss and colour shades (white and light colours shades do not become yellow)
- Good elasticity
- Resistant to household cleaning agents
- Suitable for children's toys: compliant with the SIST EN 71 –3 and SIST EN 71 –9 standards

Where do we use it?

TESSAROL acrylic enamel is the most environmentally and human friendly paint for the decoration and protection of wooden and metal surfaces indoors and outdoors.

The product significantly shortens the painting time, as it dries very quickly. It is suitable for application onto surfaces, such as: windows, doors, fittings, wooden coverings, fences, constructions, simple furniture, etc.

Instructions for use

TESSAROL acrylic enamel is to be applied onto a wooden or metal surface which had preliminarily been protected with **TESSAROL acrylic primer for wood** or **TESSAROL acrylic primer UNI**.

Application: brush (artificial fibers), roller (microfibers or felt fibers), spraying

Drying time: 8–10 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2

Thinning: with water, if required

Consumption: 1 l covers 10–12 m² of surface in 1 coat

Packaging: standard colour shades: 0.2 l / 0.65 l / 2.6 l
HGMIX: 0.65 l / 2.6 l

Colour shades: white and 8 standard satin colour shades, black and white in glossy and white in matt finish, mixing of different colours and several thousand colour shades that you can choose from based on your own taste at stores with the **HGMIX** mixing system. Basic colour shades can be lightened by mixing in the white shade in the required ratio.

- When coating wood which contains water-soluble coloured components (oak, chestnut, knots in coniferous wood, etc.), we recommend the use of **TESSAROL acrylic primer for wood** which contains a special additive that blocks water-soluble substances.
- Defects are less visible on coatings with the satin level of gloss due to imperfect application.
- Due to air drying, the best possible weather conditions are desirable: 10–25 °C, relative air humidity below 75 %.

Wise tips



TESSAROL

ACRYLIC PRIMER FOR WOOD

Contains an additive that blocks water-soluble substances, which prevents the formation of yellow spots when coating oak and chestnut, and slows down the yellowing of knots on coniferous trees



- Quick drying
- Environmentally friendly
- Thinning with water
- No unpleasant odours
- Good adhesion
- Suitable for children's toys: compliant with the SIST EN 71 –3 and SIST EN 71 –9 standards

Instructions for use

For: different wooden surfaces (windows, doors, fences, wooden structures), different panellings in interior rooms and outdoors

Application: brush (artificial fibers), roller (microfibers or felt fibers), spraying

Drying time: 4–6 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 1–2

Thinning: with water, if required

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: 0.75 l

Colour shades: white

Any cracks in wood should be filled with **TESSAROL acrylic putty for wood** which is to be applied prior to the application of the primer.

TESSAROL

ACRYLIC PRIMER UNI

Excellent adhesion onto different surfaces – iron, steel, galvanized steel metal, copper, aluminium, hard PVC



- Protection of iron and steel surfaces from rusting with help of anti-corrosion pigments
- Quick drying
- Thinning with water
- No unpleasant odours

Instructions for use

For: different metal surfaces - iron and steel surfaces, galvanized steel metal, copper, aluminium and for hard PVC indoors and outdoors

Application: brush (artificial fibers), roller (microfibers or felt fibers), spraying

Drying time: 6–8 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 1–2

Thinning: not necessary / with water, if required

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: 0.65 l

Colour shades: white

Mix before use. With coatings based on water dispersion you should pay attention to the working conditions – the air, paint and surface temperature should be at least 8 °C, and the air humidity should be between 40 and 80 % in order to provide a well cured coating film. After the work is completed, the tools should be cleaned with water. Coating is to be stored in such a manner that prevents it from freezing.

Coating system

Substrate		Substrate preparation	Impregnant	Primer	Top coat
Wood	<i>indoors</i>	sanding, removal of impurities	/	1 × TESSAROL acrylic primer for wood	2 × TESSAROL acrylic enamel (gloss/satin)
	<i>outdoors</i>		1 × BORI Aqua impregnation with biocides	2 × TESSAROL acrylic primer for wood	
Iron, steel	<i>indoors</i>	removing rust and impurities	/	1 × TESSAROL acrylic primer UNI	2 × TESSAROL acrylic enamel (gloss/satin)
	<i>outdoors</i>			2 × TESSAROL acrylic primer UNI	
Old coatings	<i>indoors, outdoors</i>	cleaning, sanding and removing damaged coatings	1 × impregnation or 1–2 × suitable primer		1–2 × TESSAROL acrylic enamel (gloss/satin)



TESSAROL

PRO PROTECT

Fast-drying high-coverage coating for the protection of metal, wood and elements made from plastics



- Up to 10 years of UV persistence
- Stable gloss and hue (almost no yellowing of white and light hues)
- Excellent hiding power
- Fast drying – 6 hours
- Simple application, easy use, excellent flow
- Good elasticity and hardness
- Excellent weather durability
- Resistance to household cleaners

Where do we use it?

TESSAROL PRO PROTECT is a top coat paint used to paint metal, wooden and artificial elements objects indoors and outdoors. It offers excellent opacity with just one coat. Together with the primer, it offers excellent anti-corrosion protection and is resistant to the most adverse weather conditions.

Instructions for use

Apply **TESSAROL PRO PROTECT** to the surface which has first been protected with **TESSAROL primer UNI**. We recommend one coat of primer, followed by 2 coats of top coat. The surface must be dry, sanded and cleaned. Mix the coating well before use.



Application: roller, brush, spraying

Drying time: 6 hours between individual coats (in normal conditions: 20 °C, rel. humidity 65 %)

Number of coats: 2–3

Thinning: as needed with **TESSAROL thinner**

Consumption: 1 l covers 14–16 m² of surface in 1 coat

Packaging: standard colour shades: 0.75 l;
HGMIX: 0.75 l

Colour shades: satin: white
gloss: white

Coating system

Substrate		Substrate preparation	Impregnation	Primer	Top Coat
Wood	<i>indoors</i>	sanding, removal of impurities	/	1 × TESSAROL primer for wood	2 × TESSAROL PRO PROTECT
	<i>outdoors</i>		1 × BORI impregnation with biocide W	2 × TESSAROL primer for wood	
Iron, Steel	<i>indoors</i>	removing rust and impurities	/	1 × TESSAROL primer UNI	
	<i>outdoors</i>			2 × TESSAROL primer UNI	
Galvanized sheet metal	<i>indoors</i>	removing corrosive products and impurities	/	1 × TESSAROL primer UNI	
	<i>outdoors</i>			2 × TESSAROL primer UNI	
Copper, Aluminium	<i>indoors</i>	removing impurities	/	1 × TESSAROL primer UNI	
	<i>outdoors</i>				
Hard PVC	<i>indoors</i>	removing impurities	/	1 × TESSAROL primer UNI	
	<i>outdoors</i>				
Old coatings	<i>indoors</i>	cleaning, sanding and removing damaged coatings	1 × impregnation or 1–2 × suitable primer		1–2 × TESSAROL PRO PROTECT
	<i>outdoors</i>				

TESSAROL

EGALIN QUICK-DRYING ENAMEL

Quick-drying coating for the protection of wood and metal



- Dries quickly, so the surface can be coated multiple times in one day
- White and light shades do not yellow
- Easy to use
- Good coverage

Where do we use it?

TESSAROL EGALIN quick-drying enamel is used for protection and decoration of metal and wooden surfaces, such as windows, doors, fittings, wooden coverings, fences, structures, furniture and other surfaces in interior spaces and in outdoor places.

Instructions for use

Dry, sand and clean the surface, and mix the paint well before use. Apply the **TESSAROL EGALIN quick-drying primer for metal** as the first coat, followed by the **TESSAROL EGALIN quick-drying enamel** for the second and third coat. When painting wood, apply 2 to 3 coats of the **TESSAROL EGALIN quick-drying enamel**.

Use the **TESSAROL NITRO thinner** for thinning, if needed, and to clean the tools after use.



Application: roller, brush, spraying

Drying time: 4 hours between individual coats (in normal conditions: 20 °C, 65 % rel. humidity)

Number of coats: 2

Thinning: TESSAROL NITRO thinner

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: 0.2 l / 0.75 l

Colour shades: glossy: white and 11 standard shades
matt: white, black and dark grey

Coating system

Substrate		Substrate preparation	Primer	Top coat
Wood	<i>indoors</i>	sanding removing impurities	/	2× TESSAROL EGALIN quick-drying enamel (gloss/matt)
	<i>outdoors</i>		/	
Iron, steel	<i>indoors</i>	removing rust and impurities	1× TESSAROL EGALIN quick-drying primer for metal	2× TESSAROL EGALIN quick-drying enamel (gloss/matt)
	<i>outdoors</i>		1–2× TESSAROL EGALIN quick-drying primer for metal	
Old coatings	<i>Indoors, outdoors</i>	cleaning, sanding and removing damaged coatings	1–2× suitable primer	1–2× TESSAROL EGALIN quick-drying enamel (gloss/matt)

TESSAROL

EGALIN QUICK-DRYING PRIMER FOR METAL

A coating which provides high-quality protection of iron and steel surfaces against rusting in all environments



- Improves adhesion between the surface and the top coat
- Contains anti-corrosion pigments that protect the metal from rusting
- Fast drying: 1 – 3 h
- Good coverage

Where do we use it?

TESSAROL EGALIN quick-drying primer for metal is an anti-corrosion paint used as a primer when painting iron and steel objects indoors and outdoors.

Instructions for use

Clean the surface, and sand it and dry it if needed before applying the first coat. The **TESSAROL EGALIN quick-drying primer for metal** should be mixed well before use. Apply the **TESSAROL EGALIN quick-drying primer for metal** as the first coat, followed by the **TESSAROL EGALIN quick-drying enamel** for the second and third coat, and make sure that the previous coat is dry to touch before applying the next one. Once finished, clean the tools with the **TESSAROL NITRO thinner** if needed.

Application: roller, brush, spraying

Drying time: 1–3 hours between individual coats (in normal conditions: 20 °C, 65 % rel. humidity)

Number of coats: 1–2

Thinning: **TESSAROL NITRO thinner**, max. 10 %

Consumption: 1 l covers 7–9 m² of surface in 1 coat

Packaging: 0.20 l / 0.75 l / 2.5 l

Colour shades: grey, red

TESSAROL

PRIMER UNI

Excellent adhesion onto different surfaces – iron and steel surfaces, galvanized steel metal, copper, aluminium, as well as hard PVC and wood



- Protection of iron and steel surfaces from rusting by means of anti-corrosive pigments
- Quick drying – application of **TESSAROL enamels** is possible after 3 hours

Instructions for use

For: different metal surfaces – iron and steel surfaces, galvanized steel metal, copper, aluminium and for hard PVC and wood indoors and outdoors

Application: brush, roller, spraying

Drying time: 3–4 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 1–2

Thinning: **TESSAROL thinner**, max. 15 %

Consumption: 1 l covers 7–9 m² of surface in 1 coat

Packaging: 0.75 l

Colour shades: white



TESSAROL

ENAMEL / ENAMEL SATIN

Long-term colour protection of different surfaces



- Excellent hiding power and levelling
- Good elasticity and hardness
- Stable gloss and colour shades
- Finishing gloss or satin coating
- Good weather- and light resistance

Where do we use it?

TESSAROL ENAMEL is a top coating used for the decoration and protection of metal or wooden objects indoors and outdoors. A product with a long-lasting tradition which has always adapted to the newest discoveries and standards in the field of enamel development. The basic characteristics meet the requirements of both the professionals as well as the wide circle of users. It is suitable for application onto surfaces, such as windows, doors, fittings, wooden coverings, fences, constructions, simple furniture, etc.



Instructions for use

TESSAROL ENAMEL does not have to be thinned prior to application, as the product is ready-made. Mix before use and apply onto a metal or wooden surface which had preliminarily been protected with **TESSAROL primer for metal or wood**, or with the **primer UNI**. When work is completed, clean the tools with **TESSAROL thinner**.

Application: brush, roller, spraying

Drying time: 16 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2

Thinning: as needed with **TESSAROL thinner**

Consumption: 1 l covers 14–16 m² of surface in 1 coat

Packaging: standard colour shades: 0.2 l / 0.75 l / 2.5 l / 10 l (silver); **HGMIX:** 0.75 l / 2.5 l

Colour shades: white and 16 standard glossy colour shades, black and white also in the satin edition, mixing of different colours and several thousand colour shades that you can choose from based on your own taste at stores with the **HGMIX** system

System for the protection and decoration with TESSAROL enamel

Substrate		Substrate preparation	Impregnation	Primer	Top Coat
Wood	indoors	sanding, removal of impurities	/	1 × TESSAROL primer for wood	2 × TESSAROL Enamel (gloss/satin)
	outdoors		1 × BORI impregnation with biocide W	2 × TESSAROL primer for wood	
Iron, Steel	indoors	removing rust and impurities	/	1 × TESSAROL primer UNI	2 × TESSAROL Enamel (gloss/satin)
	outdoors			2 × TESSAROL primer UNI	
Galvanized sheet metal	indoors	removing corrosive products and impurities	/	1 × TESSAROL primer UNI	2 × TESSAROL Enamel (gloss/satin)
	outdoors			2 × TESSAROL primer UNI	
Copper, Aluminium	indoors outdoors	removing corrosive products and impurities	/	1 × TESSAROL primer UNI	2 × TESSAROL Enamel (gloss/satin)
Hard PVC	znotraj outdoors	removing impurities	/	1 × TESSAROL primer UNI	2 × TESSAROL Enamel (gloss/satin)
Old coatings	indoors outdoors	cleaning, sanding and removing damaged coatings	1 × impregnation or 1–2 × suitable primer		1–2 × TESSAROL Enamel (gloss/satin)

Any cracks in wood should be filled with **TESSAROL spatula putty** which is to be applied prior to the application of the primer.

TESSAROL

PRIMER FOR WOOD

Evens out surface permeability



WHITE

- Priming matt coating which enables the wood to breathe
- Good coverage
- Good levelling
- Easy to work with
- Good adhesion



Instructions for use

For: different wooden surfaces (windows, doors, fences, wooden structures), hardboard, chipboard, and for the renovation of old furniture indoors and outdoors

Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 1–2

Thinning: not required

Consumption: 1 l covers 10–12 m² of surface in 1 coat

Packaging: 0.75 l / 2.5 l

Colour shades: white

TESSAROL

PRIMER FOR IRON

Protection from rusting thanks to anti-corrosive pigments



- Good adhesion
- Good coverage
- Easy to work with

Instructions for use

For: for different iron and steel surfaces in interior rooms and outdoors

Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 1–2

Thinning: TESSAROL thinner, max. 15 %

Consumption: 1 l covers 7–9 m² of surface in 1 coat

Packaging: oxide red: 0.2 l / 0.75 l
grey: 0.2 l / 0.75 l / 2.5 l
white: 0.75 l

Colour shades: white, oxide red, grey



Various metal surfaces can differ quite a lot. Their type, composition (iron, steel, aluminium, etc.) or their purpose of use (fences, radiator pipes, grooves, etc.) define the selection of the suitable paint and painting system. Special **TESSAROL** enamels always offer the right product for a specific surface.

TESSAROL METAL EXPRESS

Special fast drying coating for protection of indoor and outdoor metal surfaces



- Excellent resistance to all weather conditions
- Fast drying: 2 hours
- High, stable gloss and hardness of the coating film
- Good mechanical resistance

Where do we use it?

TESSAROL METAL EXPRESS is a top coat intended for the protection of metal surfaces in indoor and outdoor spaces. The coating is ideal for completely changing the appearance of metal; metal fences, agricultural and construction machinery, entrance and garage doors, as well as hot radiators and radiator pipes.

Instructions for use

TESSAROL METAL EXPRESS should be mixed well before use, and applied to a dry, sanded and clean surface. When painting metal surfaces, use the **TESSAROL primer UNI** as the first coat, followed by **TESSAROL METAL EXPRESS** for the second and third coats. Once finished, clean the tools with the **TESSAROL NITRO thinner** if needed.



Application: roller, brush, spraying

Drying time: 2 hours between individual coats (in normal conditions: 20 °C, 50 % rel. humidity)

Number of coats: 2

Thinning: **TESSAROL NITRO thinner**, max. 5 %

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: standard colour shades: 0.75 l;
HGMIX: 0.75 l

Colour shades: gloss: white and 9 standard shades
matt: black and dark grey

Coating system

Substrate		Substrate preparation	Primer	Top coat
Iron, steel	<i>indoors</i>	removing rust and impurities	1 × TESSAROL primer UNI or TESSAROL EGALIN quick-drying primer for metal	2 × TESSAROL METAL EXPRESS
	<i>outdoors</i>	removing rust and impurities	2 × TESSAROL primer UNI or TESSAROL EGALIN quick-drying primer for metal	
Galvanized sheet metal	<i>indoors</i>	removing corrosive products and impurities	1 × TESSAROL primer UNI	2 × TESSAROL METAL EXPRESS
	<i>outdoors</i>	removing corrosive products and impurities	2 × TESSAROL primer UNI	
Copper, aluminium	<i>indoors</i>	removing impurities	1 × TESSAROL primer UNI	2 × TESSAROL METAL EXPRESS
Hard PVC	<i>outdoors</i>	removing impurities	1 × TESSAROL primer UNI	2 × TESSAROL METAL EXPRESS
Old coatings	<i>indoors, outdoors</i>	cleaning, sanding and removing damaged coatings	1–2 × appropriate primer	1–2 × TESSAROL METAL EXPRESS

TESSAROL

DIRECT 3IN1

Direct application onto iron and steel surfaces, without using primers



- Excellent anti-corrosion protection
- High level of film hardness
- Easy to work with, easy to apply, good levelling
- Good weather- and light resistance
- Good coverage

Where do we use it?

TESSAROL Direct 3in1 is used as an independent coating for decoration and protection of iron and steel surfaces that have been affected by rust. Suitable for direct application onto iron or steel fences, constructions, garden furniture, decorative elements, etc.

Instructions for use

TESSAROL Direct 3in1 should be mixed well before application. The surface must be dry, sanded and cleaned of rough rust particles. Grease and other impurities should be cleaned with **TESSAROL thinner**. It can be applied directly onto the surface without using primers for iron. When work is completed, clean the tools with **TESSAROL thinner**.

Coating system

Substrate		Substrate preparation	Primer	Top coat
Iron, steel	indoors, outdoors	removing rough rust and impurities	/	2–3× TESSAROL Direct 3in1
	indoors, outdoors	cleaning, sanding and removing damaged coatings	/	2–3× TESSAROL Direct 3in1



Application: brush, roller, spraying

Drying time: 6 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2–3

Thinning: **TESSAROL thinner**, up to 15 %

Consumption: 1 l covers 10–12 m² of surface in 1 coat

Packaging: 0.2 l / 0.75 l / 2.5 l / 10 l

HGMIX: 0.75 l / 2.5 l / 10 l

Colour shades: gloss: white and 11 standard shades, matt: dark grey + **HGMIX**. Different colour shades can be mixed as desired.



TESSAROL

ANTI-K 3 IN 1

Metal gloss enamel that gives an old wrought-iron look



ANTHRACITE



SILVER

- Good anti-corrosion protection
- Easy to work with
- Good weather- and light resistance

Where do we use it?

TESSAROL Antik 3 in 1 is used for decoration and protection of surfaces, such as garden, balcony and stairway fences, garden gates and entrance doors, bars for windows and other ironmongery products in internal spaces and outdoors.

Instructions for use

TESSAROL Antik 3 in 1 should be mixed well before use. It is applied onto an iron or galvanized steel metal surface which had preliminarily been protected with the **TESSAROL primer for iron** or the **TESSAROL primer UNI**. When work is completed, clean the tools with **TESSAROL thinner**.



Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2–3

Thinning: **TESSAROL thinner** (roller up to 5 %, spraying up to 13 %)

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: anthracite: 0.75 l / 2.5 l
HGMIX (silver): 0.7 l

Colour shades: 2 standard colour shades - anthracite and silver, 18 colour shades that you can choose based on the colour card at stores with the **HGMIX** system

Coating system

Substrate		Substrate preparation	Primer	Top coat
Iron, steel	<i>indoors</i>	removing rust and impurities	/	2–3 × TESSAROL Antik 3 in 1
	<i>outdoors</i>		/	2–3 × TESSAROL Antik 3 in 1
New galvanized steel metal	<i>indoors, outdoors</i>	removing corrosive products and impurities	/	2–3 × TESSAROL Antik 3 in 1
New hot galvanized steel metal	<i>indoors, outdoors</i>	removing corrosive products and impurities; slight sandblasting of the surface	/	2–3 × TESSAROL Antik 3 in 1
Old coatings	<i>indoors, outdoors</i>	cleaning, sanding and removing damaged coatings	/	2–3 × TESSAROL Antik 3 in 1

TESSAROL

ACRYLIC ENAMEL FOR RADIATORS

Does not turn yellow, dries quickly and has no unpleasant odour



- Excellent coverage
- Resistant up to 120 °C
- Glossy finishing coat
- Environmentally friendly
- Thinning with water
- Resistant to household cleaning agents

Where do we use it?

TESSAROL acrylic enamel for radiators is a white top paint intended for painting radiators, as it is resistant to high temperatures. It is used for decoration and protection of iron radiators and radiator hot-water pipes in internal spaces.

Instructions for use

TESSAROL acrylic enamel for radiators should be mixed well before use. It is applied onto a clean surface which had been preliminarily protected with the **TESSAROL acrylic primer UNI**. When work is completed, clean the tools with water.

Application: brush, roller, spraying

Drying time: 8–10 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2

Thinning: with water, if required

Consumption: 1 l covers 10–12 m² of surface in 1 coat

Packaging: 0.75 l

Colour shades: white

Coating system

Substrate	Substrate preparation	Primer	Top coat
Unprotected radiators	removing rust and impurities	1 × TESSAROL acrylic primer UNI	2 × TESSAROL acrylic enamel for radiators
Old coatings	cleaning, sanding and removing rust	1 × TESSAROL acrylic primer UNI	1–2 × TESSAROL acrylic enamel for radiators

TESSAROL

ENAMEL FOR RADIATORS

Glossy top coating, resistant to a temperature of 60 to 80 °C



- Good levelling
- Stable gloss
- Easy to work with
- Resistant to household cleaning agents

Where do we use it?

TESSAROL enamel for radiators is a white top paint intended for painting radiators, as it is resistant to high temperatures. It is used for decoration and protection of iron radiators and radiator hot-water pipes in internal spaces.

Instructions for use

TESSAROL enamel for radiators should be mixed well before use and, if required, diluted. It is applied onto a clean surface which had been preliminarily protected with the **TESSAROL primer for iron**. When work is completed, clean the tools with **TESSAROL thinner**.

Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2

Thinning: **TESSAROL thinner** (roller up to 5 %, spraying up to 15 %)

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: 0.75 l / 2.5 l

Colour shades: white

Coating system

Substrate	Substrate preparation	Primer	Top coat
Unprotected radiators	removing rust and impurities	1 × TESSAROL primer for iron	2 × TESSAROL enamel for radiators
Old coatings	cleaning, sanding and removing rust	1 × TESSAROL primer for iron	1–2 × TESSAROL enamel for radiators

TESSAROL

PRO HEAT PROTECT

For the protection of metal objects exposed to high temperature



SILVER
400 °C



BLACK
350 °C

- Special coating with a silver or black appearance
- Temperature resistance up to 400 °C silver shade and up to 350 °C black shade

Where do we use it?

TESSAROL PRO HEAT PROTECT is a temperature-resistant coating for the protection of exhaust pipes, stovepipes, metal parts of fireplaces, oil stoves and similar metal surfaces that are exposed to high temperatures.

Instructions for use

TESSAROL PRO HEAT PROTECT should be mixed well before use. The surface must be dry, sanded and cleaned. Grease and other impurities should be cleaned with the **TESSAROL NITRO thinner**. When work is completed, clean the tools with the **TESSAROL NITRO thinner**.

Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2–3

Thinning: ready for use

Consumption: 1 l covers 10–12 m² of surface in 1 coat

Packaging: 0.2 l / 0.75 l / 10 l

Colour shades: silver, black

Coating system

Substrate	Substrate preparation	Primer	Top coat
Iron, steel	removing rust and impurities	/	3× TESSAROL PRO HEAT PROTECT
Old coatings	cleaning, sanding and removing damaged coatings	/	1–2× TESSAROL PRO HEAT PROTECT



- If rust is removed with acid-based chemical agents, the surface must be thoroughly rinsed with water and dried. Only then, decoration and protection can be applied according to the recommended system, as the remains of agents used to clean the surface prevent the coating from drying.
- The galvanized steel metal should be cleaned of corrosive products with a mix of water (10 l), sal ammoniac (ammonia solution – 0.5 l) and detergent (one cap), and sanded with a sanding cloth made of synthetic fibres; rinse the sanding remains thoroughly with water, dry and then apply suitable coating e.g. coating system.
- When applying coatings, interlayer sanding with fine sanding sponges is recommended to achieve better interlayer coating adhesion and a more beautiful final appearance.

Wise tips

TESSAROL

ENAMEL FOR GALVANIZED STEEL METAL

Good adhesion onto galvanized steel metal and other coloured metal



- Excellent coverage
- Quick drying
- Silky gloss
- Good weather- and light resistance

Where do we use it?

TESSAROL enamel for galvanized steel metal is an independent finishing coat which is intended for decoration and protection of galvanized steel metal and other coloured metal. It is used to treat galvanized steel metal, such as roof sheet metal, grooves, fences, containers, door frames, and copper pipes for central heating in internal spaces and outdoors.

Instructions for use

TESSAROL enamel for galvanized steel metal should be mixed well before use. To achieve a long-lasting coating, the surface must be adequately prepared.

Galvanized steel metal: The surface should be cleaned of corrosive products with a 5 % solution of ammonia water: a mix of water (10 l), ammonia solution (0.5 l) and detergent (one cap), and sanded with a sanding cloth made of synthetic fibres. Clean the sanding remains thoroughly with water.

Hot galvanized steel metal: A slight sandblasting of the surfaces is mandatory.

Copper, brass and aluminium surface: Clean the surface with the **TESSAROL NITRO thinner** and sand it with a sanding cloth made of synthetic fibres.

When work is completed, clean the tools with the **TESSAROL NITRO thinner**.



Application: brush, roller, spraying

Drying time: Before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %):

Brush: from 0.5 to 3 hours

Roller or spraying: there are no limitations for the application of the following layer. Due to its good coverage, 1 coat is usually sufficient.

Number of coats: 1–2

Thinning: TESSAROL NITRO thinner (up to 1 %)

Consumption: 1 l covers 7–9 m² of surface in 1 coat

Packaging: 0.75 l / 2.5 l

Colour shades: gloss: white and 7 standard shades. Different colour shades can be mixed as desired.

Coating system

Substrate		Substrate preparation	Primer	Top coat
New galvanized steel metal, copper, brass, aluminium	<i>indoors</i>	removing corrosive products and impurities	/	1–2× TESSAROL enamel for galvanized steel metal
	<i>outdoors</i>	removing corrosive products and impurities	/	
New hot galvanized steel metal	<i>indoors, outdoors</i>	removing corrosive products and impurities; slight sandblasting of the surface	/	1–2× TESSAROL enamel for galvanized steel metal
Old coatings – galvanized steel metal	<i>indoors, outdoors</i>	cleaning, sanding and removing damaged coatings	1× MOBIHEL primer	1–2× TESSAROL enamel for galvanized steel metal
Old coatings – copper, brass, aluminium	<i>indoors, outdoors</i>	cleaning, sanding and removing damaged coatings	/	1–2× TESSAROL enamel for galvanized steel metal

Ceramic tiles are made of clay, moulded into different forms and heated at high temperatures to create a strong and durable surface. Due to their durability, aesthetics and versatility, they are a popular choice for various spaces. However, since ceramic tiles have a long life span, many people get tired of their appearance, outdated colour combinations or disturbing patterns. The ideal solution that will give your rooms a completely new look is **TESSAROL CERAMIX** - a special coating intended for the decoration and protection of many difficult surfaces indoors.

TESSAROL CERAMIX

Enamel for ceramic tiles, glass
and other surfaces



WHITE

- Excellent adhesion on ceramics, glass and many problematic surfaces in interior (hard PVC, galvanized steel, aluminium...)
- Resistant to household cleaning agents
- Good mechanical properties
- Satin finish
- Environmentally friendly
- Quick drying with no unpleasant odours

Where do we use it?

TESSAROL CERAMIX is intended for the decoration of ceramic tiles and glass in kitchens, bathrooms, toilets and for other interior surfaces (hard PVC, galvanized steel, aluminium). It is suitable for short-term contact with water on vertical surfaces (drainage) but must not be in constant contact with water. The product is not suitable for painting horizontal and floor surfaces, self-cleaning ceramic tiles, tiles in saunas, etc.



Instructions for use

Ceramic tiles, especially glazed ones, are classified as an extremely demanding material for painting due to poor adhesion. Therefore, it is all the more important to prepare their surface before coating in accordance with the instructions in the technical information.

Application: brush, roller, spraying

Drying time: 6–8 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 1–2

Thinning: not necessary

Consumption: 1 l covers 10–12 m² of surface in 1 coat

Packaging: 0.75 l

Colour shades: white, **HGMIX**

Coating system

Substrate		Substrate preparation	Top coat
Ceramics	indoors	removing of limescale and impurities	2 × TESSAROL CERAMIX
Glass		removing of impurities	
Galvanized steel		removing of corrosion products and impurities	
Aluminium*		removing of corrosion products and impurities	
Hard PVC		removing of impurities	1–2 × TESSAROL CERAMIX
Old coatings		cleaning, sanding and removing of damaged coatings	

*Before painting the aluminium substrate, a preliminary test of the adhesion of the coating to the cleaned surface is required.

What steps should be taken before painting ceramic tiles?

Ceramic tiling is a challenging substrate, which is why instructions for surface preparation should be consistently followed before painting. Proper preparation is key to achieving good grip and long-lasting resistance of the coating. Before painting, clean the ceramic tiles with a limescale-removal agent and sand it with P400 sandpaper. To remove fats, oils and other dirt use **TESSAROL NITRO thinner** or rubbing alcohol. Old silicon can be removed with a sharp knife, and any crusted residue wiped off the surface with a silicon-removal agent.



Next, rinse the surface with plenty of water to remove any traces of cleaning agent and leave it to dry. Minor cracks or imperfections can be filled with standard grout –silicon caulk is not appropriate because the paint will not adhere to it. Before painting, the surface must be completely dry, undamaged and clean, free of oils, fats, dust or other impurities. The grouts between tiles must also be dry and hardened.



How to start painting?

Before getting down to work, stir the paint thoroughly to prevent sediments of pigment and other substances. Normally, the next step is thinning, but since **TESSAROL CERAMIX** is ready to use, no thinning is required and it can be applied directly to the surface. Similarly, no primer is needed. The paint can be applied with a roller, paintbrush or spray. As the most suitable application tool, we recommend using a short-hair felt roller or a roller made of synthetic fibres with a length of 4–7 mm. We do not recommend using a foam roller, because it makes the paint foam and produces an unsuitable finish.

For good results, the temperature of the enamel, air and item should be at least 8 °C and no higher than 25 °C to prevent the paint from drying too quickly, whereas air humidity should be under 80 %. As a rule, 1 litre of paint applied in one coat is enough to cover an area of 10–12 m². We advise applying two coats.

When painting, use masking tape of good quality which should be carefully removed as soon as the job is finished, i.e. when the paint is not quite dry yet. If this is not observed, the film of paint may crack at the edges. As soon as the work is finished, rinse the tools with water and make sure that you clean any stains immediately; the strong adhesion will make it very hard to remove later. Dry paint can be removed with **TESSAROL NITRO thinner**.

The enamel is dry to the touch after two hours, and after six hours of drying the second coat may be applied. Before applying the second coat, we recommend you to gently sand the first coat with a fine sanding sponge. This improves inter-layer adhesion and enhances the final appearance. The room is suitable for use after two days of drying. If the surface needs cleaning soon after the painting job, gently wipe it with a soft damp cloth. Later, you can clean the surface using a soft sponge or cloth and a neutral cleaning agent (pH 6–8). For very dirty surfaces, a weak alkaline cleaning agent (pH 8–10) may be used. We do not advise using abrasive cleaning agents and coarse sponges as they could damage the enamel.

TESSAROL varnishes can be used as standalone or as a finishing step in the system of decoration and protection of wooden surfaces. As the top coat, they give the wood a glossy shine and make it resistant. They are especially suitable for use in interior rooms.

TESSAROL

ACRYLIC VARNISH / ACRYLIC VARNISH SATIN

Environmentally friendly, quick-drying coating which does not turn yellow



- Glossy or satin colourless coating
- No unpleasant odours
- Thinning with water
- Easy to work with
- Resistant to household cleaning agents
- Suitable for children's toys: compliant with the SIST EN 71 –3 and SIST EN 71 –9 standards

Where do we use it?

TESSAROL acrylic varnish is the most environmentally and human friendly colourless varnish for the decoration and protection of wooden surfaces indoors. The product significantly shortens the application time, as it dries very quickly and maintains the natural appearance of wood because the coating does not yellow. It can be applied onto surfaces, such as: products made of soft wood, ceiling and wall coverings, massive wood, simple furniture and other wooden objects.



Instructions for use

TESSAROL acrylic varnish must be mixed before use and applied onto a clean and dry surface. To achieve a more beautiful appearance, slightly sand the surface prior to the application of the following coat. With coatings based on water dispersion you should pay attention to the working conditions – the air, paint and surface temperature should be at least 8 °C, and the air humidity should be between 40 and 80 % in order to provide a well cured coating film. After the work is completed, the tools should be cleaned with water. Coating is to be stored in such a manner that prevents it from freezing.

Application: brush (artificial fibers), roller (microfibers or felt fibers), spraying

Drying time: 6–8 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2

Thinning: with water, if required

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: 0.75 l

Colour shades: colourless

Coating system

Substrate		Substrate preparation	Primer	Top coat
New wood	<i>indoors</i>	sanding, removing impurities	1 × TESSAROL acrylic varnish (gloss/satin)	1–2 × TESSAROL acrylic varnish (gloss/satin)
Old coatings	<i>indoors</i>	cleaning, sanding and removing damaged coatings	/	2 × TESSAROL acrylic varnish (gloss/satin)

TESSAROL

VARNISH / VARNISH SATIN

Good levelling and stable gloss



- Colourless glossy or satin top coat
- Resistant to household cleaning agents

Where do we use it?

TESSAROL varnish is a colourless varnish for the decoration and protection of wooden surfaces indoors. A product with a long-lasting tradition which has always adapted to the newest discoveries and standards in the field of clearcoats development. It can be applied onto surfaces, such as ceiling and wall coverings, massive wood, simple furniture and other wooden objects.

Instructions for use

TESSAROL varnish does not have to be thinned prior to application, as the product is ready-made. It must be mixed before use and applied onto a clean and dry surface. To achieve a more beautiful appearance, slightly sand the surface prior to the application of the following coat. When work is completed, clean the tools with **TESSAROL thinner**.

Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2

Thinning: not required

Consumption: 1 l covers 10–12 m² in one coat

Packaging: 0.75 l; satin: 0.75 l

Colour shades: colourless

Coating system

Substrate		Substrate preparation	Primer	Top coat
New wood	<i>indoors</i>	sanding, removing impurities	/	2 × TESSAROL varnish (gloss/satin)
Old coatings	<i>indoors</i>	cleaning, sanding and removing damaged coatings	/	1–2 × TESSAROL varnish (gloss/satin)

TESSAROL VARNISH FOR BOATS

Mechanically resistant coating



- Colourless finishing glossy coat
- Good levelling
- Stable gloss
- Easy to work with



Where do we use it?

TESSAROL varnish for boats is a colourless varnish for the decoration and protection of wooden surfaces indoors and outdoors. A product with a long-lasting tradition which has always adapted to the newest discoveries and standards in the field of clearcoats development. It is suitable for application onto surfaces, such as doors, wooden panellings, cork, garden furniture, boats, etc.

Instructions for use

TESSAROL varnish for boats must be mixed before use and applied onto a clean and dry surface. To achieve a more beautiful appearance, slightly sand the surface prior to the application of the following coat. When work is completed, clean the tools with **TESSAROL thinner**.

Application: brush, roller, spraying

Drying time: 24 hours before the following coat (under normal conditions: 20 °C, rel. hum.: 65 %)

Number of coats: 2–3

Thinning: **TESSAROL thinner**, max. 5 %

Consumption: 1 l covers 8–10 m² of surface in 1 coat

Packaging: 0.2 l / 0.75 l / 2.5 l

Colour shades: colourless

Coating system

Substrate		Substrate preparation	Primer	Top coat
New wood	<i>indoors</i>	sanding, removing impurities	/	2 × TESSAROL varnish for boats
	<i>outdoors</i>		BORI thin-layered woodstain – in the selected colour shade	2–3 × TESSAROL varnish for boats
Old coatings	<i>indoors</i>	cleaning, sanding and removing damaged coatings	/	1–2 × TESSAROL varnish for boats
	<i>outdoors</i>		in case of very damaged coats BORI thin-layered woodstain – in the selected colour shade	2 × TESSAROL varnish for boats

Colour shades on the leaflet can differ from the actual colour shade of the coating.

- When coating ceiling and wall coverings, we recommend impregnating wood from both sides beforehand with **BORI woodstain** or **BORI Aqua impregnation with biocides** (humid spaces) when using **TESSAROL acrylic varnish**, and with **BORI thin-layered woodstain** or **BORI impregnation with biocide W** (humid spaces) when using **TESSAROL varnish**, as this provided better dimensional stability.
- Colourless coatings do not provide sufficient protection against UV rays; therefore, we do not recommend using them as an independent coating for outdoor varnishing.

Wise tips





HELIOS

Helios TBLUS d.o.o.

Količevo 65, 1230 Domžale, Slovenia

T +386 1 722 40 00

E deco.coatings@helios.si

www.helios-deco.com

Member of  **KANSAI
HELIOS**

Part of  **KANSAI
PAINT**

