

## OUR COMPANY



COATINGS FOR METAL

COATINGS FOR WOOD

PROGRAM FOR CIVIL ENGINEERING

THINNERS

## ABOUT AS

### MISSION

Our mission is to provide the market with quality products, paints and varnishes, with maximum flexibility and efficiency in terms of meeting special requirements, and maintaining a favorable price-quality ratio.

### HISTORY

Hemiprodukt doo grew out of Hemiprodukt SZR, founded in 1991. It is still a family business to this day. Now in the 4th decade of work, we are stable in our intentions to maintain the quality of our products and offer the consumer market an expanded range of products, which have been used for many years in industry, shipbuilding and anti-corrosion protection of objects such as bridges, tanks in oil fields, industry, plants in aggressive exploitation conditions, agricultural machines and equipment, trucks, trailers, etc.

Our first product, Colortonlazur, which we now produce in three qualities, as a coating, which penetrates deeper into the wood and thus enables long-term protection of systems with Lak Lazur, or Lazur with wax, shows how dedicated we are to the production and monitoring of the exploitation time of our products.

In addition to coatings for metal and coatings for wood, we highlight several quality coatings for construction, for interior and exterior decoration and protection decoration and protection

### RESOURCES

In addition to the necessary, such as modern equipment, the laboratory, our own working capital and the facilities in which we work, our most important resource is technological knowledge, and the ability to follow and incorporate the most modern technological solutions into our products. and greater demands, contributing to better competitiveness of our products. We are expanding our range and sales, on domestic and foreign markets.

Our essential resource is a TEAM of experts and dedicated in production, application and sales.

## COATINGS FOR METAL



Metal surfaces must be protected from influences that cause corrosion.

When choosing the coating system that we will use, we should take into account what kind of influences metal surfaces are exposed to during exploitation. In order for the coating to be properly applied, it is important to do the following:

**PREPARE THE SUBSTRATE** - new metal surfaces – by removing dirt and grease with a cloth soaked in thinner. Lightly sand the dry surface with sandpaper, and then clean it with a cloth soaked in thinner. we apply coating systems that we have chosen to the surface



**SUBSTRATE PREPARATION - OLD METAL SURFACE** requires removal of the old coating, completely or in places where it is raised or damaged, by soaking it with nitro thinner, and then using sandpaper and a metal brush to remove traces of corrosion. Wipe the surface again with a cloth and clean. On a dry and clean surface, apply a new coating over the old one, on a test surface.

If the old coating does not lift, apply the base and final coating over the entire surface, according to the manufacturer's instructions.



### PRIMER FOR METAL

It is used for anti-corrosion protection of metal surfaces such as steel structures, gates, fences, etc. in a system with the final alkyd coating Colorton enamel.

**Application:** It is applied to degreased surfaces from which rust has been removed, by brush, roller or spraying., 1 - 2 layers. Overcoat interval is 24 hours. Mix well before use. If necessary, it can be diluted 5-15%, depending on the method of application. To dilute and wash tools, use oil thinner. DFT: 40-60 mik

#### Properties:

Drying time: 24h;  
Density :1,35-1,55 g/ml  
Solid content (weight %): 68-73 %.  
Shades: white, gray, ox.red, black.

**Packaging:** 0,9kg, 5 kg, 25kg



### COLORTON ENAMEL UNIVERSAL

It serves to protect metal and wooden surfaces for outside and inside. It has good mechanical properties and resistance to atmospheric influences.

**Application:** The surface should be well prepared, protected with Primer for metal or wood. The paint should be mixed well. If necessary, it can be thinned with Oil thinner 5-15%, depending on the method of application. It is applied by spraying, brush, or roller 1-2 layers. Intercoating interval is 24 hours. Use Oil thinner for washing tools.

#### Properties:

Drying time: 24h;  
Density :1,05-1,25 g/ml  
Solid content (weight %): 58-63 %.  
Shades: According to the tone card.

**Packaging:** 0,25l, 0,75 l, 2,5 l 20 kg



### INDUSTRIAL ENAMEL BS QUICK-DRYING

Industrial enamel BS quick-drying is a final coating. It is characterized by durability and good resistance to solar radiation, water and oil.

It is used in a system with Primer for metal quick-drying , for the protection of metal surfaces, constructions, equipment, etc.

**Application:** It can also be applied directly to the prepared metal surface. The paint is mixed and graded as needed with Industrial BS thinner 5-10%. It is applied by spraying, brush or roller, 1-2 layers, wet on wet, or after 24 hours.

#### Properties :

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,05-1,25 g/ml  
Solid content (weight %): 58-63 %.  
Shades: According to the Tone Chart

**Packaging:** 0,75 l, 2,5 l, 25 kg



### INDUSTRIAL ENAMEL 3U1 BS

Quick-drying coating, with enhanced anti-corrosion effect, which is used for anti-corrosion protection of metal surfaces such as constructions, equipment, agricultural machinery, etc. Industrial enamel varnish 3 in 1 BS, gives a film resistant to atmospheric influences.

**Application:** From the surfaces to be painted, thick and worn layers of rust should be removed, cleaned and degreased. Mix the paint well and dilute, as necessary, with Industrial BS thinner 3 in 1, 5-15%, depending on the method of application. Apply directly to the metal, by spraying, brush or roller, in 2 layers, wet on wet. The recommended thickness of the dry film is 120-150 microns. To wash the tools, use Industrial Thinner BS

#### Properties.

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,05-1,25 g/ml  
Solid content (weight %): 58-63 %.  
Shades: According to the Tone Chart

**Packaging:** 0,75 l, 2,5 l, 20 kg



### PRIMER FOR METAL BS-GRUND

Primer for metal BS-Grund is a quick-drying paint and contains zinc phosphate. Dries quickly, can be applied wet on wet. It is used as a Primer for metal, in a system with BS enamel, for anti-corrosion protection of steel surfaces, constructions, equipment, agricultural machinery, etc.

**Application:** Mix the paint before use. and, if necessary, dilute with Industrial thinner BS 5-15%, depending on the method of application. It is applied with a brush, roller, or by spraying, on the prepared surface, 1-2 layers, wet on wet, or after 24 hours.

#### Properties.

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,35-1,55 g/ml  
Solid content (weight %): 65-70 %  
Shades: white, gray, ox.red, black

**Packaging:** 0,75 L , 5 kg, 30 kg



### NITRO PRIMER FOR METAL

It is a product based on nitrocellulose and suitable alkyds. It is used as a basic, anti-corrosion coating in the system of protection of steel surfaces with Nitro enamel or Alkyd coatings. In the interior and exterior: construction, equipment, agricultural machinery, etc.

**Application:** It is applied to prepared metal surfaces, by roller or by spraying, 1-2 layers. The interval between coats is at least 30 minutes. It is thinned with nitro thinner, 5-15% depending on the method of application.

#### Properties.

Drying time: Touch drying: 1 h; Redy for handling 3- 4h;  
Density :1,35-1,55 g/ml  
Solid content (weight %): 60- 65 %  
Shades: white, gray, ox.red, black

**Packaging:** 0,75 L , 5 kg, 25 kg



### **NITRO ENAMEL**

Nitro enamel is a universal final coating for the protection and decoration of metal and wooden surfaces, as well as constructions, equipment, metal accessories, construction carpentry, etc. in milder exploitation conditions. It is not suitable for long-term exposure outside and in damp areas.

**Application:**The enamel is diluted with original Nitro Thinner up to 10%, depending on the method of application. It is applied by spraying or with a roller, on the previously applied Nitro primer in 1-2 layers. Overcoat interval is a minimum 30 min.

#### **Properties.**

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,05-1,25 g/ml  
Solid content (weight %): 58-63 %.  
Shades: According to the Tone Chart

**Packaging:** 0,75 l, 2,5 l, 20 kg



### **HAMERSHLAG effect varnish-DIREKT**

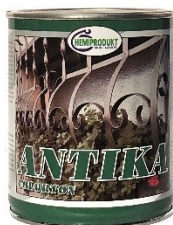
Serves as a coating in the system for anti-corrosion protection of metal surfaces such as structures and equipment. It is characterized by durability and good resistance to solar radiation, water and oil., and provides good protection against corrosion:

**Application:**It is applied directly to the prepared metal surface, or over the Primer for metal BS-quick-drying , with a roller, or by spraying. It applied in 1-2 layer , wet on wet.It can be thinned with Industrial Thinner BS ,depending an the method of aplikacion. .

#### **Properties.**

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,00-1,05 g/ml  
Solid content (weight %): 50-55 %.  
Shades: According to the Tone Chart

**Packaging:** 0,75 l, 2,5 l, 20 kg



### **ANTIKA**

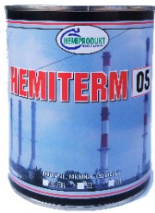
Is a coating used for the protection and decoration of metal surfaces, such as: fences, grills on windows, doors and other wrought iron products, in indoor and outdoor spaces. It can also be delivered as ANTIKA 3 in 1

**Application:**Mix the paint well before application. It is applied as a cover paint,over the Primer for metal, or directly on the metal in 1 to 2 layers, on the prepared surface, with a brush, roller or spraying. The interval between coats is 24 h. It is thinned with Industrial BS, or Oil Thinner, as needed.

#### **Properties:**

Drying time: Touch drying: 2-4 h; Redy for handling 24h;  
Density :1,35-1,55 g/ml  
Solid content (weight %): 60-65 %  
Shades: are according to the Tone Chart

**Packaging:** 0,75 L , 5 kg,



### HEMITERM 05

is a special coating resistant to high temperatures, and endures short-term effects up to 500°C, based on silicone resins. It is used for the protection of metal surfaces exposed to high temperatures (chimneys, metal pillars, exhaust pots on vehicles).

**Application:** Mix the paint well before application. It is applied directly to the prepared metal surface in 1 layers, with a dry film thickness of 25-30 microns, with a brush or by spraying. It is thinned with Industrial Thinner HT.

#### Properties.

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,00-1,05 g/ml  
Solid content (weight %): 50-55 %.  
Shades: silver, and black

**Packaging:** 0,75 l, 2,5 l, 20 kg



### HEMILAK

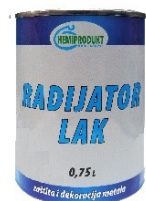
HEMILAK Enamel is used as a final coating in the protection system, for painting trucks and trailers, agricultural machines and other metal objects. It gives an extremely high gloss coating and resistance to atmospheric influences.

**Application:** Mix the paint well before application, and thinned as necessary with Autoreparatur thinner 5-15%. It is applied by spraying, over the Primer for metal, in 2 layers. The overcoat interval is 24 hours.

#### Properties.

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :0,95-1,05 g/ml  
Solid content (weight %): 58-63 %.  
Shades: According to the Tone Chart

**Packaging:** 0,75 l, 2,5 l, 20 kg



### RADIJATOR LAK

It serves as a final coating in the system for anti-corrosion protection of metal surfaces, etc., in the interior and exterior. Recommended for protection and decoration of metal radiators. It is resistant to temperatures up to 120°C

**Application:** Mix the paint well before application, and thinned as necessary with Oil thinner 5-15%. It is applied with a brush, roller or by spraying, over the Primer for metal in 1-2 layers. The overcoat interval is 24 h.

#### Properties.

Drying time: Touch drying: 1-2 h; Redy for handling 24h;  
Density :1,05-1,15 g/ml  
Solid content (weight %): 58-63 %.  
Shades: According to the Tone Chart

**Package:** 0,75 l, 2,5 l, 20 kg

## HEMIPOKS PRIMER 2K

Two-component coating based on epoxy binders and amido-amino hardeners, with a high content of anti-corrosion pigments, which provides excellent anti-corrosion protection. It is used for the protection of metal structures, floating objects and especially for surfaces exposed to chemically aggressive environments as a primer coating.



**Application:** The components of A and B are mixed in a ratio of 5:1, by weight. If necessary, they are thinned with Hemipox thinner. It can be applied with a brush, roller or by spraying on the prepared metal surface, 1-2 layers. The second layer can be applied after 3-4 hours. The mixed mass must be used within 4 hours. Wash the tool with Hemipox thinner immediately after finishing the application. Due to specific properties, if the final coating is applied after 3 days, the Hemipoks primer must be sanded slightly.

### Properties.

Drying time: Touch drying: 4-6 h; Ready for handling 72 h;  
Density komp. A : 1,35-1,55 g/ml  
Density komp. (A + B) 1,20--1,35 g/ml  
Solid content (weight %) (A+B): 65 - 75 %  
Shades: According to the Tone Chart

**Packaging komp .A** 1 kg , 5 kg,, 25 kg

**Packaging komp .B** 0,2 kg , 1 kg,, 5 kg

## HEMIDUR MU 2K

Is a polyurethane topcoat that is cured with aliphatic isocyanate and delivers good gloss and colour retention. It is intended for the anti-corrosion protection of steel surfaces exposed to the influence of moisture, chemical substances, aggressive industrial environments, such as steel structures, silos, wagons, tanks and various types of machinery.



**Application:** HEMIDUR MU-70 2K is a two-component enamel. It is applied over Hemidur primer, Hemipox primer, or directly on the prepared metal surface. The surface must be dry and clean prior to application. Components A and B are mixed in the given ratio, and thinned with HEMIDUR thinner. The mixed mass must be used within 4 hours. Wash the tool with Hemidur thinner immediately after finishing the application.

### Properties.

Drying time: Touch drying: 4-6 h; Ready for handling 72 h;  
Density komp. A : 1,10-1,25 g/ml  
Density komp. (A + B) 1,00--1,15 g/ml  
Solid content (weight %) (A+B): 58-63 %  
Shades: According to the Tone Chart

**Packaging komp .A** 1 kg , 4 kg,, 20 kg

**Packaging komp .B** 0,25 kg , 1 kg,, 5 kg

## ANTI-KOROZIN

An effective tool for removing rust (corrosion) from steel surfaces, which simultaneously serves as a preparatory layer for applying the Primer for metal and the final coating. Area of application: for metal or steel surfaces. Application: brush, sponge.







In a situation where the object to be painted is exposed to aggressive influences (industrial atmosphere, gases, acidic or basic environment or atmosphere), we recommend Hemipox basic 2K, epoxy coating Hemipox final 2K or Hemidur M 2K final polyurethane coating, depending on whether the object is in exploitation inside or outside.



For objects exposed to atmospheric influences, our Hemilak with high gloss and excellent weather resistance (former auto lacquer), Industrial BS quick-drying system – primer and enamel, and as a very practical solution - Industrial Enamel BS-quick-drying 3 in 1, show themselves well in exploitation.

## COATED WOOD WOOD AS SUBSTRATE

Wood is a natural material. It differs in appearance and quality, depending on the type and geographical area from which it originates. The protective coating for wood must meet all special requirements, such as: protection of wood from moisture, temperature changes, microorganisms and sunlight. Unprotected wooden surfaces lose their aesthetic and utility value. Surface treatment is performed under normal conditions (temperature of  $20\pm 2^{\circ}\text{C}$ , air humidity of 50-65% and wood humidity of 8-12%)









**PREPARATION OF WOODEN SURFACES** - restoration of old, already coated surfaces If it is a transparent system, the old coating must be completely removed by sanding, so that the clean texture of the wood can be seen. For repair with covering coatings, sand the surface well with sandpaper, first with 120-180 grit, then finer (240-320). Sanding dust and impurities should be completely removed with a brush or cloth, and resin and grease should be cleaned with a cloth soaked in Nitro thinner. Apply the intended protection and decoration system to the prepared surface according to the given instructions

**NEW WOODEN SURFACES:** If the new wooden surfaces meet the above requirements, sand the dry surface well (with 120-180 grit sandpaper) and clean it of dust, and then apply the intended protection system according to the instructions for transparent, i.e. covering systems.



Image of the item	Product name and description
	<p><b>COLORTON LAZUR universal with WAX</b>  Is a coating for the protection and decoration of wood in the interior and exterior. It gives a transparent film with a silky shine, which impregnates and protects wood with increased resistance to atmospheric influences. The presence of wax repels moisture.</p> <p><b>Application:</b> It can be thinned as needed up to 5% with an oil thinner. <b>Before application, mix the paint well.</b> It is applied with a brush, sponge or by spraying in 2-3 layers. If the first layer is COLORTON LAZUR, which deeply impregnates the wood, 1-2 layers are enough. The interval between coats is 24 hours.</p> <p><b>Properties.</b>  Drying time: 24 h  Density :0,85-1,00 g/ml  Solid content (weight %): 45-55 %.  Shades: According to the Tone Chart</p> <p><b>Packaging:</b> 0,75 l, 2,5 l, 20 kg</p>
	<p><b>COLORTON LAK LAZUR</b>  Is a coating for the protection and decoration of wood in the interior and exterior. It gives a transparent film with a shine, which impregnates and protects the wood with increased resistance to atmospheric influences.</p> <p><b>Application:</b>It can be diluted up to 5%, if necessary, with an oil thinner. <b>Before application, mix the paint well.</b> It is applied with a brush, sponge or by spraying in 2-3 layers. If COLORTON LAZUR is applied as the first layer, which deeply impregnates the wood, 1-2 layers are enough. The overcoat interval is 24 hours.</p> <p><b>Properties.</b>  Drying time: 24 h  Density :0,85 - 0,95 g/ml  Solid content (weight %): 45-55 %.  Shades: According to the Tone Chart</p> <p><b>Packaging:</b> 0,75 l, 2,5 l, 20 kg</p>
	<p><b>COLORTON LAZUR</b>  Is a coating for the protection and decoration of wood in the interior and exterior. It gives a transparent film with a silky shine, which deeply impregnates and protects the wood. It does not dilute.</p> <p><b>Application: Before application, mix the paint well</b> It is applied with a brush, sponge or by spraying in 2-3 layers. COLORTON LAZUR that deeply impregnates the wood can be applied as the first layer, and as the 2nd and 3rd layers, Colorton lacquer varnish or Colorton varnish with wax. The overcoat interval is 24 hours.</p> <p><b>Proprties.</b>  Drying time: 24 h  Density :0,85 - 0,90 g/ml  Solid content (weight %): 38 -45 %.  Shades: According to the Tone Chart</p> <p><b>Packaging:</b> 0,75 l, 2,5 l, 20 kg</p>

	<p><b>LAK FOR BOAT</b> Colorless varnish with high gloss, intended for the protection and decoration of interior and exterior wooden surfaces. Protects wood from moisture and other climatic influences.</p> <p style="text-align: right;"><b>Aplicat</b></p> <p><b>ion:</b> Boat varnish can be applied as a final varnish over the surface treated with Lazure coating, which achieves exceptional shine and fullness. Can be thinned with Oil thinner. It is applied in 2-3 layers. The interval between coats is 24 hours . . It is applied with a brush, roller or by spraying</p> <p><b>Properties.</b> Drying time: 24 h Density :0,85 - 0,90 g/ml Solid content (weight %): 45-55 %. Shades: Colorles</p> <p><b>Packaging:</b> 0,75l, 2,5 L 20 L</p>
	<p><b>PRIMER FOR WOOD</b> - ventilation primer Primer for wood for properly prepared wooden surfaces, for exterior and interior, such as doors, windows, fences, wooden structures, various panels made of hardboard and chipboard, as well as for renovating old furniture indoors and outdoors.</p> <p style="text-align: right;"><b>Apl</b></p> <p><b>ication:</b> It is thinned with an Oil thinner,5-15% depending on the method of application. It is applied with a brush, roller or by spraying 1-2 layers. Overcoat interval between coats is 24 hours.</p> <p><b>Properties.</b> Drying time: 24 h Density :1,35 – 1,45 g/ml Solid content (weight %): 45-55 %. Shades: White</p> <p><b>Packaging:</b> 0,75l, 5kg 25 kg</p>
	<p><b>COLORTON ENAMEL universal</b> <span style="float: right;">It</span> serves to protect metal and wooden surfaces for outside and inside. It has good mechanical properties and resistance to atmospheric influences. The surface should be well prepared and protected with Primer for wood .</p> <p><b>Application:</b> Dilute Colorton enamel 5-15% with an oil thinner, depending on the method of use, and mix well. The paint is applied to dry and clean surfaces in 1-2 layers, with a brush, roller or by spraying. The interval between coats is 24 hours. Use an Oil thinner for washing tools.</p> <p style="text-align: right;"><b>P</b></p> <p><b>roperties.</b> Drying time: 24 h Density :1,05 – 1,25 g/ml Solid content (weight %): 50-60 %. Shades: According to the Tone Chart</p> <p><b>Packaging:</b> 0,75l, 5kg 20 kg, 25 kg</p>

	<p><b>NITRO VARNISH- PRIMER / FINAL</b></p> <p>Nitro varnish is a colorless coating used for the surface protection of solid or veneered wood. . It gives a transparent coating.</p> <p><b>Aplikacion:</b> Nitro varnish primer is applied to dry and clean wooden surfaces by brush, roller or spraying. It dries quickly and is easy to sand. It is thinned, depending on the method of application, with the original nitro thinner. The final nitro varnish is applied over the Nitro varnish primer 1-2 layers, or directly on the prepared wooden surface, 2-3 layers with fine sanding between layers. The original is thinned with Nitro Thinner.</p> <p><b>Properties:</b>  Drying time: 1-2h h  Density :0,88-0,92 g/ml  Solid content (weight %): 28-33% %.  Shades: Colorles</p> <p><b>Packaging:</b> 0,75L, 5L , 20 L</p>
	<p><b>NITRO PRIMER FOR WOOD</b></p> <p>is a high-quality coating that dries quickly in the air and gives solid, matte surfaces, which are easy to sand and serve as a solid base for applying topcoats.</p> <p><b>Aplikacion:</b>If necessary, dilute the original with NitroThinner. Apply 1-2 layers with a brush, roller, or spray with fine sanding over each layer. The wood surface must be prepared, dry and clean.Overcoating interval is 30 min.</p> <p><b>Properties.</b>  Drying time: 6-8 h  Density :1,35 – 1,45 g/ml  Solid content (weight %): 45-55 %.  Shades: White</p> <p><b>Packaging:</b> 0,75l, 5kg, 25 kg</p>
	<p><b>NITRO ENAMEL</b></p> <p>Nitro enamel is a universal finishing coating for the protection and decoration of metal and wooden surfaces in the interior, as well as surfaces that are not directly exposed to atmospheric influences in the exterior. decoration of metal and wooden surfaces in the interior, such as construction carpentry, wooden haberdashery, equipment, furniture, etc.</p> <p><b>Application:</b> It is applied with a roller or by spraying in 2 layers, over the previously applied Nitro primer paint for wood. It dries quickly and the second layer can be applied after 30 minutes. The diluted with original Nitro Thinner.</p> <p><b>Properties.</b>  Drying time: 6-8 h  Density :0,95 – 1,05 g/ml  Solid content (weight %): 40-50 %.  Shades: According to the Tone Chart</p> <p><b>Packaging:</b> 0,75l, 5kg 20 kg,</p>

	<p><b>AQUATON- Primer for wood, concrete and walls</b> It is recommended for the protection of wooden surfaces in internal and external spaces (doors, windows, wooden structures, fences, etc.) It has no unpleasant smell, it dries quickly.</p> <p><b>Application :</b> It is diluted with water. It is applied by spraying, with a brush or roller, 1-2 layers on prepared surface. The surface must be dry and clean prior to application. Surface temperature must be above +10°C during application, and Relative humidity must be below 80%.</p> <p><b>Properties.</b> Drying time: 4-6 h Density :1,35 – 1,45 g/ml Solid content (weight %): 55-65 %. Shades: White</p> <p><b>Packaging:</b> 0,70l, 5kg, 25 kg</p>
	<p><b>AQUATON LAZUR</b> is a transparent, acrylic stain intended for coloring and long-term protection of wood, on internal and external surfaces. Recommended for protecting children's toys, wooden roof structures, wooden fences, doors, windows, garden furniture, etc.</p> <p><b>Application: Before application, mix the paint well .</b> It is not diluted. It is applied by brush, roller in 2-3 layers, with overcoating interval of 24 hours. The surface must be dry and clean prior to application. Surface temperature must be above +10°C during application, and relative humidity must be below 80%.The tool can be washed with water</p> <p><b>Properties.</b> Drying time: 4-6 h Density :1,05 – 1,10 g/ml Solid content (weight %): 45-55 %. Shades: According to the tone card</p> <p><b>Packaging:</b> 0,70l, 2.5 L</p>
	<p><b>AQUATON ENAMEL</b> <b>Is</b> Finishing coating for the protection and decoration of metal and wooden surfaces in a system with suitable primer : such as windows, doors, wooden, fences, constructions, indoor and garden furniture, in interior and exterior spaces. The coating is produced as glossy, or semi-mate.</p> <p><b>Application:</b> It is diluted with water as needed, and applied 1-2 layers,over the previously applied base paint, with a brush, roller or by spraying. Overcoating interval is 24 hours. The surface must be dry and clean prior to application. Surface temperature must be above +10°C during application, and relative humidity must be below 80%.The tool can be washed with water.</p> <p><b>Properties</b> Drying time: 4-6 h Density :1,05 – 1,10 g/ml Solid content (weight %): 50-65 %. The paint has no anplesant smell. It is produced in shades according to the tone card.</p> <p><b>Packaging:</b> 0,75l, 2.5 L</p>



### HEMIDUR- PARQUET VARNISH 2K basic

Two-component , transparent,polyurethane varnish for wooden surfaces in the interior. It is applied as a base coating for varnishing parquet, wooden stairs and similar surfaces. It impregnates the surface and reduces the consumption of the next layer of varnish.

**Application:**The components are mixed in a ratio of 1 x 1 by volume, and the mixed mass must be used within 6-8 hours. It is applied with a wide brush or a special roller on dry (8-10% moisture), clean and sanded parquet, on which joints, unevenness and minor damage were previously filled with grouting compound. If necessary, it can be diluted with Hemidur thinner and applied in 1 layer. Finishing Hemidur Parquet Lacquer, applied to a dry and sanded surface treated with basic Hemidur parquet lacquer ,after 24 hours.

#### Properties

Drying time: 4-6 h

Density :1,00 – 1,05 g/ml

Solid content (weight %): 45-50 %.

**Packaging:** 0,75l, 5 L



### HEMIDUR - PARQUET VARNISH 2K

It is a two-component, high-quality,transparent varnish for parqet. glossy , based on polyurethane binders. It is intended for decoration and protection of wooden surfaces, parquet, boat floor, wooden stairs, etc, in interior. It is characterized by good mechanical properties and excellent resistance to mild bases, acids, detergents and moisture.

**Application:** Components A and B are mixed in a ratio of 1:1. They are applied to the prepared substrate, 2-3 layers, with an overcoating interval of 24 hours, and the mixed mass must be used within 6-8 hours. The tool is washed. Hemidur thinner.

#### Properties

Drying time: 4-6 h

Density : 0.98 – 1,00 g/ml

Solid content (weight %): 45-50 %.

**Packaging:** 1 l, 5 L , 20 L



### GROUTING COMPAUND

The product is intended primarily for filling joints but also for minor damage to the parquet.

**Application:**It is applied, as a mixture with parquet sawdust, on the prepared surface. By adding sawdust - from sanding the parquet, the viscosity of the application is adjusted. It does not dilute. The tool is washed with nitro thinner.

#### Properties

Drying time: 4-6 h

Density : 0.98 – 1,00 g/ml

Solid content (weight %): 45-50 %.

**Packaging:** 0,75l, 5 L













	<p><b>HEMIKOL-H Dispersion glue for parquet</b>  It is used for gluing classic or lamellar parquet, for concrete or wooden surfaces. The surface on which the parquet is to be glued must be completely clean, degreased, dust-free and solid, without weakly attached parts that need to be removed. If the surface is not flat, it should be leveled with a cement-based leveling compound.</p> <p style="text-align: right;"><b>Aplic</b></p> <p><b>ation:</b>The humidity of the concrete substrate must be a maximum of 2.5%; relative humidity of parquet: 9%; working temperature of air, substrate and parquet from +15°C to +25°C; the lowest working temperature is 12°C. Before applying the glue, Hemicol primer should be applied, which primes and hardens the substrate.</p> <p><b>Properties</b>  Drying time: 24-48 h  Density : 1.3- – 1,5 g/ml  Solid content (weight %): 75-85 %.</p> <p><b>Packaging:</b> 1 kg, 10 kg, 20 kg</p>
	<p><b>HEMIKOL 2K EP-PU</b>  The two-component reactive epoxy glue for parquet HEMIKOL 2K EP -PU is a special glue, which is used for high-quality gluing of all types of parquet, plank floors, wooden coverings, etc. It hardens, creating a permanently elastic joint, resistant to moisture, temperature and loads. , it must be dry, solid, without dust and residues of any material and dirt. The adhesive meets the requirements of the DIN281 standard.</p> <p style="text-align: right;"><b>Pre</b></p> <p><b>paration and application</b> of glue: Before applying the glue, the surfaces are wiped and cleaned of dust, grease, and all impurities, and if necessary, leveled with a self-leveling compound. Porous concrete and cement substrates (max humidity 2.5%) should be impregnated, for better adhesion, and less consumption of glue. It does not thin out. The mixed mass must be used within 30 minutes. The tool is washed with Hemifloor thinner.</p> <p><b>Properties</b>  Drying time: 48-72 h  Density : 1.35 – 1,5 g/ml  Solid content (weight %): 90-95 %.</p> <p><b>Packaging:</b> komp. A : 0.9 kg, 9 kg,  Komp B :0.1, 1 kg</p>
	<p><b>FIRNIS</b>  Firnis is a wood impregnation coating made on the basis of natural oils. It is used as a base in the system for the protection and decoration of wooden objects and surfaces, ship's floor, paneling, etc.</p> <p><b>Application:</b> It is applied with a brush, sponge or by spraying in 1 layer.</p> <p><b>Packaging :</b> 1 L, 5 L.</p>



Image of the item	Product name and description
	<p><b>OIL THINNER</b></p> <p>Oil thinner is used for thinning and bringing to viscosity the application of alkyd paints. Composition: mixture of organic solvents. <b>Density:</b> 0.77-0.82 g/ml. It has a characteristic smell of petroleum derivatives, <b>Packaging</b> : 0.9 L, 5 L, 20L</p>
	<p><b>NITRO THINNER</b></p> <p>Used for thinning nitro coatings. It can also be used as a means for degreasing metal surfaces and washing tools. Composition: Mixture of organic solvents.</p> <p><b>Density:</b> 0.85-0.9 gr/ml. It has a pungent smell <b>Packaging</b> : 0.9 L, 5 L, 20L</p>
	<p><b>NITRO DILUENTE THINNER</b> (mixture of recycled solvents)</p> <p>Used for thinning nitro coatings. It can also be used as a means for degreasing metal surfaces and washing tools. Composition: Mixture of organic solvents.</p> <p><b>Density:</b> 0.83-0.87 gr/ml. It has a pungent smell <b>Packaging</b> : 0.9 L, 5 L, 20L</p>
	<p><b>INDUSTRIAL THINNER BS</b> <span style="float: right;">Used for thinning</span></p> <p>Basic BS fast-drying paints, Industrial Enamel BS, Industrial Enamel BS 3in1, Antike. Composition: mixture of organic solvents Density: 0.85-0.9 g/ml . <b>Packaging</b> : 0.9 L, 5 L, 20L</p>
	<p><b>WASHING AND DEGREASING AGENT</b></p> <p>Used for washing and degreasing metal surfaces. It is used for cleaning and washing tools. Composition: mixture of recycled organic solvents. <b>Density:</b> 0.82-0.85 g/ml. Pungent smell of organic solvents.</p> <p><b>Packaging</b> : 0.9 L, 5 L, 20L</p>
	<p><b>CAR REPAIR THINNER</b></p> <p>It is used for thinning air-drying car repair varnishes. Composition: an optimal mixture of organic solvents, which improves spillage and shine.</p> <p><b>Density:</b> 0.80-0.83 g/ml <b>Packaging:</b> 0.9 L, 1 L, 5 L</p>

	<p><b>HEMIPOX THINNER</b></p> <p>Is used to adjust the viscosity of epoxy paint application. Composition: mixture of organic solvents.</p> <p><b>Density</b> 0.82-0.87 g/ml <b>Packaging:</b> 1L, 5L, 20 L</p>
	<p><b>ACRYLIC THINNER</b></p> <p>Universal polyurethane thinner. It is used to bring to viscosity the application of polyurethane and acrylic paints, including BASES. Composition: mixture of organic solvents.</p> <p><b>Density:</b> 0.83-0.88 g/ml <b>Packaging:</b> 1L, 5L, 20L</p>
	<p><b>HEMIMARK THINER</b></p> <p>It is used to dilute HEMIMARK paint for concrete and signage, as well as HEMIMARK Primer. Composition: mixture of organic solvents</p> <p><b>Density</b> 0.85-0.90 g/ml <b>Packaging:</b> 1L, 5L, 20L</p>



## PROGRAM FOR CIVIL ENGINEERING FLOORS – MODERN MATERIALS

Modern floors in economic parts of the household (basements, garages, workshops, laundries, boiler rooms, parking lots, warehouses, etc.) must meet numerous requirements, regardless of whether they are exposed to mechanical loads or chemical agents. They must meet high standards in terms of appearance and functionality. It should be emphasized that they are easy to maintain, which contributes to their long exploitation.


Hemiprodukt offers the market acrylic, epoxy and polyurethane floor systems HEMIMARK, HEMIFLOOR EP and HEMIFLOOR PU, which are characterized by flexibility in application, longevity, resistance and excellent aesthetic appearance.



### PRIMERS

Primers are precoats characterized by optimal viscosity according to type and purpose, maximum closing of pores in the substrate, optimal reception of subsequent layers of EP and PU floor systems, strengthening and consolidation of weak mineral substrates. At the same time, they seal excessive moisture in mineral substrates and act as a sealing vapor-impermeable layer. Primers are a mandatory and integral part of both decorative and industrial acrylic, epoxy and polyurethane floors



Image of the item	Product name and description
	<p><b>HEMIMARK PRIMER</b> Acrylic primer, it is characterized by maximum closing of the pores in the substrate, optimal reception of subsequent layers of the acrylic system, strengthening and consolidation of weak mineral substrates. At the same time, they seal excessive moisture in mineral substrates and act as a sealing vapor-impermeable layer.</p> <p><b>Application:</b> It can be thinned with Hemimark thinner, 5-10%. It is applied by sprinkling, roller. Provide good ventilation indoor .</p> <p><b>Properties</b> Drying time: 30 -60 Density : 1.00 – 1,05 g/ml Solid content (weight %): 40-45 %. Shades : transparent <b>Packaging</b> : 5 kg, 20 kg,</p>
	<p><b>HEMIMARK</b> The product is intended for horizontal signaling of roads, streets, parking spaces, for painting concrete elements and as a coating for floors in workshops, garages, etc.</p> <p><b>Application:</b> It can be thinned with Hemimark thinner, 5-10%. It is applied by spraying or by roller. Provide good ventilation indoors.</p> <p><b>Properties</b> Drying time: 30 -60 Density : 1.00 – 1,05 g/ml Solid content (weight %): 40-45 %. In standard shades: white, gray, yellow, oxide red, blue and green.</p> <p>Pachaging: 5 kg, 25 kg, 30 kg</p>
	<p><b>HEMIFLOOR EP prajmer - 2K</b> Epoxy primer, which closes the pores in the substrate and accepts subsequent layers of EP and PU floor systems, while strengthening and consolidating weak mineral substrates. At the same time, it seals excessive moisture in mineral substrates and acts as a sealing vapor-impermeable layer.</p> <p><b>Application:</b> Components A and B are mixed in the ratio given on the label, The mixed components must be well. It is diluted up to 5% with Hemifloor thinner. It is applied with a spatula or roller to the prepared surface For better adhesion of the next layer, quartz sand gran is added. 0.3-0.8mm up to 1kg/m<sup>2</sup>, as a sprinkle. The mixed components must be used within 30 min/20°C. Hemifloor Coat 2K or Hemifloor samoliv 2K ( self-casting) , is applied to the substrate prepared in this way.</p> <p><b>Properties</b> Drying time: 6-8 hours Density : 1.05 – 1,05 g/ml Solid content (weight %) (A+B) : 85-95 %. In standard shades: white, gray, yellow, oxide red, blue and green.</p> <p>Pachaging komp. A: 5 kg, 20 kg, Packaging komp.B: 1kg, 5 kg</p>



### HEMIFLOOR COAT EP-2K

HEMIFLOOR COAT EP 2K is a durable monolithic colored, epoxy coating used on cement and concrete substrates. It is suitable for surfaces exposed to light to medium loads.

**Application:** Components A and B are mixed in the ratio given on the label, The mixed components must be well. It is applied with a roller or brush in a thickness of 0.4 - 0.6 mm, in total in 2 layers, over the previously applied primer. The interval between coats is 24 hours. It can be thinned up to 5% with Hemifloor thinner. The mixed quantities must be used in no longer than 45 min/20°C. Complete drying takes 7 days.

#### Properties

Drying time: 48 -72 hours

Density : 1.05 – 1,05 g/ml

Solid content (weight %) (A+B) : 85-95 %.

In standard shades: white, gray, yellow, oxide red, blue and green.

**Packaging komp. A:** 5 kg, 20 kg,

**Packaging komp.B:** 1kg, 5 kg



### HEMIFLOOR EP-2K SAMOLIV

It is suitable for surfaces exposed to chemical influences and medium loads. It is resistant to wear, moisture and chemicals. It is easy to apply, has excellent adhesion and is easy to maintain.

**Application:** Components A and B are mixed in the ratio given on the label, The mixed components must be well, and used for no longer than 45 min. It is applied with a serrated or flat spatula on a dry and clean surface, (previously treated with Hemifloor 2K primer), 1.5-3.0 kg/ m<sup>2</sup>. Immediately after application, the surface is treated with a needle roller to remove air bubbles. It completely hardens within 7 days.

#### Properties:

Drying time: 3-7 day

Density : 1.05 – 1,05 g/ml

Solid content (weight %) (A+B) : 85-95 %.

In standard shades: white, gray, yellow, oxide red, blue and green.

**Packaging komp. A:** 5 kg, 20 kg,




**Packaging komp.B:** 1kg, 5 kg




## COATS FOR CIVIL ENGINEERING PAINTS FOR WALLS





Coatings used in construction, in addition to being protective, also have a very important decorative role. Coatings used for painting facades, i.e. for external use, must be resistant to all atmospheric influences (moisture, UV radiation, etc.). Coatings for interior walls must be resistant to dry friction and satisfy the customer in terms of decorative features. Especially for kitchens and bathrooms, so-called washable colors, with increased resistance to moisture. In particular, it should be emphasized that for children's and bedrooms, coatings that do not contain any substances that would harm human health are recommended.



Image of the item	Product name and description
	<p><b>HEMIPOL PROFI poludisperzija</b>  is a vapor-permeable interior paint, resistant to dry friction. It is applied as a decorative coating in white or pastel shades. It can be tinted with Hemiacrly and Toner.</p> <p style="text-align: right;"><b>Aplicatio</b></p> <p><b>n:</b>Before applying the paint, clean the surface of loose parts, grease, dust, etc. and impregnate with Hemiacrly base. Tint the paint, or apply white. It is diluted with water after toning. It is applied in 2 layers, with a roller or brush. Application temperature +10±30 °C. DO NOT FROZEN !</p> <p><b>Properties:</b>  Drying time: 24 h  Density : 1,50 – 1,60 g/ml  Solid content (weight %) (A+B) : 65-75 %.  In standard shades: white,.</p> <p>Pachaging : 4 kg, 8 kg, 22 kg, 25 kg</p>
	<p><b>HEMIPOL VP disperzija</b>  Is a vapor-permeable interior paint, resistant to dry friction. It is applied as a decorative coating in white or pastel shades. It can be tinted with Hemiacrly and Toner.</p> <p style="text-align: right;"><b>Apl</b></p> <p><b>ication:</b>.Before applying the paint, clean the surface of loose parts, grease, dust, etc. and impregnate with Hemiacrly base. Tint the paint, or apply white. It is diluted with water after toning. It is applied in 2 layers, with a roller or brush. Application temperature +10±30 °C. DO NOT FROZEN !</p> <p><b>Properties:</b>  Drying time: 24 h  Density : 1,50 – 1,60 g/ml  Solid content (weight %) (A+B) : 65-75 %.  In standard shades: white,.</p> <p>Pachaging : 4 kg, 8 kg, 15 kg, 25 kg</p>
	<p><b>YANA</b>  High-coverage, washable paint for interiors, acrylic coating, washable, vapor permeable and resistant to dry and wet mopping.</p> <p><b>Application:</b>It is applied to a flat, smooth, well-prepared surface, on which Hemiacrly Base was previously applied. Before application, the paint can be diluted 5-15% with water. It is applied with a brush or roller in 2 layers. The second layer can be applied 4-6 hours after the first. Application temperature +10 to +30°C. Pastel shades can be obtained by mixing with white. THEY MUST NOT FREEZE!</p> <p><b>Properties:</b>  Drying time: 24 h  Density : 1,50 – 1,60 g/ml  Solid content (weight %) (A+B) : 65-75 %.  In standard shades: according to the tone card,.</p> <p>Pachaging : 4 kg, 15 kg,</p>

	<p><b>TONER</b></p> <p>It uses toning of water-dilutable paints for interior and exterior use. The shades can be mixed together to obtain the desired tones.</p> <p>Application: Tint the paint, and then dilute with water. Before application, mix the paint well.</p> <p><b>Properties:</b>  Density : 1.00 – 1,05 g/ml  Solid content (weight %) (A+B) : 30-35 %.  In standard shades: according to the tone card,.</p> <p>Packaging : 4 kg, 15 kg,  <b>DO NOT FROZEN !</b></p>
	<p><b>HEMIAKRIL paint for concrete and facades</b></p> <p>It represents a high-quality coating for the protection and decoration of facades and external walls, concrete, diluted with water. It can be used as a Toner, for toning Hemipol-semi-dispersion, Hemiacryl- facade dispersion.</p> <p><b>Application:</b> It is applied to a dry and degreased surface, from which loose parts, which are crowned and fall off, have been removed. After filling the bumps and cracks with the appropriate material, a Hemiacryl base is applied, followed by 2 layers of Hemiacryl paint for concrete and facades, which can be diluted 5-15%, and is applied with a roller, brush or spray.</p> <p><b>Properties:</b>  Drying time: 24 h  Density : 1.50 – 1,60 g/ml  Solid content (weight %) (A+B) : 65-75 %.  In standard shades: according to the tone card,.</p> <p>Packaging : 4 kg, 15 kg,  <b>P FROM FREEZING!</b></p> <p style="text-align: right;"><b>KEE</b></p>
	<p><b>HEMIACRYL facade substrate</b></p> <p>It is used for impregnation of facade and concrete surfaces, before applying HEMIacryl Facade Dispersion, or HEMIACRYL-paint for concrete and facades.</p> <p><b>Application:</b> Before use, the HEMI acrylic base is diluted with water in a ratio of 1:3. It is applied to dry, clean and solid surfaces. Concrete, surfaces based on cement and cement-lime mortars must be at least 28 days old. It is applied with a roller in one layer</p> <p><b>Properties:</b>  Drying time: 6-8 h  Density : 1.00 – 1,05 g/ml  Solid content (weight %) : 20-25 %.  In standard shades: according to the tone card,.</p> <p style="text-align: right;"><b>KEEP FROM FREEZING !</b></p>



	<p><b>HEMIAKRIL facade dispersion</b></p> <p>Is a high-quality coating for protection, coloring and decoration of external walls, concrete surfaces, extended plaster, salonite. It is diluted with water. Pigments ensure the durability of acrylic facade paint.</p> <p><b>Application:</b> It is applied to a dry and degreased surface, from which loose parts, which are crowned and fall off, have been removed. After filling the unevenness and cracks with the appropriate material, a Hemiacryl base is applied, followed by 2 layers of Hemiacryl - Facade Dispersion, which can be diluted 5-15%, and is applied with a roller, brush or spray. . It can be tinted with Toner, or by mixing with Hemiacryl, paint for concrete and facades, or Yana.</p> <p><b>Properties:</b>  Drying time: 24 h  Density : 1.50 – 1,60 g/ml  Solid content (weight %) (A+B) : 65-75 %.  In standard shades: White,.</p> <p>Pachaging : 4 kg, 15 kg,</p> <p><b>P FROM FREEZING!</b></p> <p style="text-align: right;"><b>KEE</b></p>
	<p><b>HEMIAKRIL –Rustik</b></p> <p>Acrylic plasticized facade Hemiakril Rustic is a deco-rative plaster based on acrylic binders, quality pigments, mineral fillers and special additives. It is produced in a white shade, which can be tinted with appropriate Toners, Hemiacryl, in shades according to the Tone Chart, in 2 structures:  HEMIACRYL Rustik rough structure 1.5-2 mm, and  HEMIACRYL Rustic - smooth structure 1.5-2 mm.</p> <p><b>Application:</b>It is applied to dry, clean And solid surfaces, on which HEMIACRYL Facade underlay was previously applied. The recommended application conditions are: Temperature 20oC, air humidity 60-70%.</p> <p><b>Properties:</b>  Drying time: 24-48 h  Density : 1.55 – 1,65 g/ml  Solid content (weight %) (A+B) : 70-80 %.  In standard shades: White,.</p> <p>Pachaging : 25 kg, 30 kg</p> <p><b>KEEP FROM FREEZING</b></p>





Beli	Slonova kost	Žuta 1	Žuta 2
Oranž	Crveni	Bordo	Braon
Havan	Svetlo zeleni	Tamno zeleni	Svetlo plavi
Tamno plavi	Srebrni	Sivi	Crni
<b>HAMERŠLAG efekt lak direkt</b>		<b>ANTIKA direct</b>	
Bakar	Sivi	Crni	Siva
Svetlo plavi	Extra plavi	Extra zeleni	Tamno Siva

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www.hemiprodukt.co.rs

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Mahagoni	Zeleni
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**HEMIPRODUKT**  
BOJE I LAKOVI



**hemi**  
**AKRIL**

BOJA ZA BETON I FASADE

BELA	RAZREDJIVANJE 1:1(SA BELOM)	RAZREDJIVANJE 1:4(SA BELOM)
ZUTA		
OKER		
BRAON		
OKSIDNO CRVENA		
CRVENA		
ZELENA		
PLAVA		
SIVA		
CRNA		