

**BARVY A LAKY****HOSTAGRUND® 3in1 PRIM S2177 BASE**

Multifunctional anticorrosive single coat

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**Composition**

Dispersion of pigments and fillers in a solution of special modified (acrylate, vinyl, polyurethane) alkyd resins with excellent corrosion protection, in organic solvents with addition of additives, anticorrosive pigments and special micronized functional blend based on polyethylene and PTFE.

Characteristics and use

After adjusting the shade with a tinting machine, the product is intended for the semi-matt single coats. The product combines the character of anticorrosive primer, interlayer and topcoat. It is intended for metal coating both exterior and interior. The paint is ideal for coating of steel materials and oxidized galvanized surfaces like e.g. steel structures, fences, columns, gates, etc. The paint dries quickly and the coating is very flexible and highly resistant to weather conditions, which guarantees its long life. The paint can also be used for coating porous surfaces such as wood, chipboard or concrete.

The product is not intended for coatings that come into direct contact with food, feed and drinking water and for coatings of children's furniture and toys. The product can be used on surfaces that come into indirect food contact.

- ◆ long-term outdoor resistance
- ◆ barrier anticorrosive protection
- ◆ contains teflon
- ◆ metal surfaces, including fresh galvanized steel

Application area

Substrate: steel, light metals, non-ferrous metals, galvanized steel, wood, chipboard, mineral surfaces

Environment: interior, exterior

Examples: steel structures, steel structures, metal sheets, steel gates, fences, columns, small industrial objects

Shades

Transparent and white base with various degree of pigmentation. Colour shades are prepared by addition of colouring agents on tinting machine.

Transparent base (T) 0021

White base (P) 0025

Physical properties

Flow time	100 - 130 s (cup Ford Ø 4 mm)
Weight solids	> 60 %
Volume solids	43 - 46 % (according to shade)
Flash point	> 25 °C
Density	1240 - 1300 kg/m ³

Emission limits

VOC: 0.38 – 0.40 kg/kg	TOC: 0.34 – 0.36 kg/kg
Product subcategory: A/i	Threshold value: 500 g/l
Max. VOC content in ready to use state: 499 g/l	

Properties of dried coat

Gloss / 60°	20 - 40
Pendulum hardness / Persoz	up 10 % in 24 hours
Hiding power	degree 1-2 degree 3 (yellow and red shades)

Drying time

Surface temperature	23 °C
Dust free	up to 2 hours
Dry through	up to 24 hours
Dry film thickness DFT	30 - 40 µm

Spreading capacity

Wet film thickness WFT	70 µm
Dry film thickness DFT	30 µm
Theoretical spreading capacity	10 - 13 m ² /l per one layer

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Thinning BALTECH S6006

Surface preparation The surface must be clean, dry, degreased, free of rust and dust, mechanically cleaned. First of all, the surface must be degreased by means of suitable agent (e.g. BALTECH P6402 technical benzine, BALTECH P6401 acetone or, if it is possible, warm pressurized water with detergent). For removing of residues of various salts it is necessary then to rinse the surface with clear water. Rough and sticky impurities must be removed manually or mechanically (grinding, scraping). Possible rust may be removed also manually or mechanically (metal brushes, grinding discs).

Recommended pre-treatment of fresh galvanized sheets before painting: prepare a mixture of 10 l of water, 0.5 l of ammonia water (concentration of 25%) and ca 50 ml of surfactant (detergent). This solution is applied to the treated sheet and after about 10 minutes operation spread it out i.e. by an artificial fleece swab on broomstick until metal-grey foam occurs. This is followed by a perfect clean water rinsing. The paint is applied after perfect drying of the sheet.

Before the application, the timber surface shall be clean, dry, well smoothed, with max. 12% humidity and free of resin residues. Mineral substrate must be dry, compact, clean, well-matured (usually 4-6 months) and insulated against ground (bottom) moisture. Absorbent bases must be treated (penetrated) with suitable agent, providing even absorbency.

Formerly coated surfaces must be cleaned, degreased and without old non-adhesive paints. It is recommended for providing compatibility of a new paint with the old one to perform a reference coating (painting) of surface - ca 1 m². It is recommended to follow the procedure system according to the technical data sheet.

Application conditions Minimal air temperature for application is 5 °C, temperature of painted surface must be 3 °C above dew point. Temperature and relative humidity must be measured in proximity of painted surface. The surface temperature must not be higher than 40 °C. Optimal temperature for application is about 18 – 23 °C. Relative humidity must not be higher than 75 %. Lower temperature and higher humidity during an application and a drying and high thickness of applied coats markedly slow down drying and hardening of the coat. Imperfectly dried surface can cause problems with adhesion of paint to surface or with adhesion between individual coats. In addition it can negatively affect overall appearance of the paint film.

During rain, fog, creation of condensation water, effect of aggressive gases and during wind with strong content of dust the coating work must be suspended and can be restart after absolute drying of surface-treated material.

Do not apply the paint on a hot summer day. The high temperature in the atmosphere causes rapid drying of the surface layer film and the subsequent possible wrinkling of the film. It also reflected problems in connecting the individual strokes of paint coating.

For larger compact areas always use the material from the same batch. Using the same batch can guarantee the same shade of the colour.

Workflow Open the container just before use, mix the paint thoroughly to homogenize it and thin if necessary. Apply it on the prepared surface. Thin the paint before the use by means of thinner BALTECH S6006 and stir well. Apply in 2 or 3 layers according to the requirements. Time interval between particular layers is 24 hours at minimum. Recommended thickness of one dry layer is 30 – 40 µm

Application Brush, roller, spraying

Handling Read the instructions in the Safety Data Sheet before use and follow all safety instructions and regulations. The product contains organic solvents. Follow basic hygiene rules. Do not eat, drink or smoke while using this product. Avoid contact with eyes, skin or clothing. Wear protective gloves, eye protection, protective clothing. Ensure effective ventilation of the workplace. People and animals should not remain in the treated area until the paint dries.

If on skin: take off contaminated clothing and wash skin with plenty of soap and water. If inhaled: remove person to fresh air. If in eyes: rinse thoroughly for 10-15 minutes with clean water. Remove immediately contact lenses if present. If swallowed: rinse your mouth with water. If you feel unwell or in case of health problems or if in doubt, and accidental ingestion and contact with eyes, always consult a doctor immediately.

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Packing	0.75 l; 2,5 l; 4.5 l;9 l
Storability	The product keeps the product qualities 5 years from production date in original closed container. To store in dry storage at the temperature 5 to 25 °C. Flammable liquid II. hazard class.
Disposal of packing and waste	Hand over the used, properly empty packing at the collection point of the packing waste. Dispose the packing with the product rest at the place determined by the town for disposal of hazardous waste or hand over to the person authorized for hazardous waste disposal. Further see MSDS.

These data are only for information and their accuracy is influenced by the properties of individual materials and unpredictable factors during application. The user is responsible for correct use of the product according to the direction for use and for correct application of painting system, i.e. he must always evaluate all conditions of application, which could influence final quality of the top treatment. Therefore we always recommend to the user to carry out the test for actual working conditions and type of surface applied. Above mentioned data are data, which influence individual working conditions and therefore they do not establish a legal claim. It is necessary to consult information outside the terms of this catalogue sheet with the producer.

The producer stipulates the right for the change in the catalogue sheets without previous notification.