

HOSTAGRUND® 2in1 ZINEX S2820

Acrylate single coat for galvanized surfaces

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Composition Dispersion of pigments and fillers in a solution of special modified resins with excellent corrosion protection, in organic solvents with addition of additives, active anticorrosive pigments and special micronized functional blend based on polyethylene and carnauba wax.

Characteristics and use The single coat is intended for protective anticorrosive coatings of steel and light metals, including fresh galvanized steel, both for exterior and interior. It has excellent adhesion to a variety of substrates, fast drying and good weather resistance. The paint can also be used as an anticorrosive primer under acrylic, polyurethane or epoxy topcoats. 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.

- ◆ excellent adhesion to steel and light metals
- ◆ contains active anticorrosive pigment
- ◆ contains hydrophobic wax

Application area Substrate: steel, galvanized steel sheet, galvanized aluminium sheet, aluminium sheet, copper sheet
Environment: interior, exterior
Examples: gutters, window sills, roofs, metal gates, steel construction, fences

Shades RAL 1023 traffic yellow, RAL 3000 flame red, RAL 5010 gentian blue, RAL 6029 mint green, RAL 7012 basalt grey, RAL 7040 window grey, RAL 8011 nut brown, RAL 8012 red brown, RAL 8017 chocolate brown, RAL 9005 jet black, RAL 9006 white aluminium, RAL 9010 pure white

Physical properties	Flow time	100 - 130 s (cup Ford Ø 4 mm)
	Weight solids	> 60 % (shade RAL 9006 > 55 %)
	Volume solids	43 - 48 %
	Flash point	> 25 °C
	Density	1250 - 1310 kg/m ³

Emission limits	VOC: 0.35 – 0.37 kg/kg	TOC: 0.30 – 0.34 kg/kg
	Product subcategory: A/i	Threshold value (2010): 500 g/l
	Max. VOC content in ready to use state: 499 g/l	

Properties of dried coat	Gloss / 60°	30 - 50
	Pendulum hardness / Persoz	up 10 % in 24 hours RAL 9006 up 8 %)
	Hiding power	degree 1 degree 2-3 shade RAL 1023 and RAL 3000

Drying time	Surface temperature	23 °C
	Dust free	up to 1 hour
	Dry through	up to 24 hours
	Dry film thickness DFT	30 - 40 µm

Spreading capacity	Wet film thickness WFT	85 - 95 µm
	Dry film thickness DFT	40 µm
	Theoretical spreading capacity	10 - 12 m ² /l per one layer

Thinning S 6006

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. technical benzine P 6402, acetone P 6401 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

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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.

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, thin with S 6006 if necessary and again mix thoroughly. Apply HOSTAGRUND 2in1 ZINEX S2820 on the prepared surface in the way to get the final thickness of dry paint film at least 80 µm. To ensure long life, it is recommended to apply 2 coats. The second layer can be applied after 8h / 20 °C, in case of spray application it is possible to use the "wet to wet" system after approx. 15 - 30 min / 20 °C.

First it is necessary to treat problematic areas (corners, edges, welds, surface defects).

The RAL 9006 white aluminium shade can only be applied with a brush and roller without aesthetic appeal.

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.

Packing

0.6 l; 2.5 l; 4 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.

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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.