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Composition Dispersion of inorganic pigments in a solution of special synthetic resin in organic solvents with the addition of driers.

Characteristics and use The enamel is especially intended for the top coats of warm-water heating systems. The paint is highly white, yellowing doesn't occur till 130 °C. It has proper opacity and spreading rate, the coat dries quickly. It doesn't contain aromatic compounds. Before the application, the radiators should be cooled down. 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.

- ◆ heat resistance
- ◆ yellow resistance, brilliant whiteness
- ◆ no content of aromatics

Application area Substrate: iron, cast iron, metal
 Environments: interior
 Examples: cast iron and metal objects and pipes of hot water heating system

Shades 1000 - white

Physical properties	Flow time	100 – 150 s (cup Ford Ø 4 mm)
	Weight solids	> 55 %
	Volume solids	39 %
	Flash point	36 °C
	Density	1110 kg/m ³

Emission limits	VOC: 0.42 kg/kg	TOC: 0.35 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	degree 1
	Pendulum hardness / Persoz	up 15 % in 5 days
	Hiding power	degree 1 – 2

Drying time	Surface temperature	23 °C
	Dust free	up to 5 hours
	Dry through	up to 24 hours
	Dry film thickness DFT	30 - 35 µm

Spreading capacity	Wet film thickness WFT	77 - 90 µm
	Dry film thickness DFT	30 - 35 µm
	Theoretical spreading capacity	10 m ² /1 kg or 12 m ² /1 l

Thinning S 6006 (for cleaning tools), S 6001 (spraying)

Surface preparation The metal substrate must be clean, dry, degreased, free of rust and dust, mechanically cleaned. Metal substrates must be provided with appropriate anticorrosive primer. The radiators should be cooled down. Formerly coated surfaces must be cleaned, degreased and without old non-adhesive paints. 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

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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.

Workflow

Properly mix before use. it shouldn't be thin, it is ready for use.

Painting of a central heating system

1. 1x primer PRAGOPRIMER STANDARD S2000, FORMEX ZÁKLAD NA POZINK S2003 or PRAGOPRIMER UNIVERZAL S2035;
2. 1 - 2x special enamel RADBAL PROFI S 2120, optimal thickness of one layer is 30 – 35 µm. For a long-term effectivity apply enamel in two thinner layers. Interval between two layers is about 24 hours / 23°C.

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; 4 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.

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