

BETEX[®] 2v1 NA BAZÉNY S2852

Penetration and polystyrene paint for concrete

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Composition Dispersion of pigments and fillers in a solution of polystyrene resin and rosin in organic solvents with addition of additives.

Characteristics and use The paint is determined for glossy decorative coatings of mineral surfaces and concrete exposed to water, vapours or humidity, for both interior and exterior. The product can be used for pools and metal tanks. It is not suitable for coating of glazed or monolithic concrete surfaces.

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.

- ◆ impermeable coating
- ◆ high water and water-vapour resistance
- ◆ both penetration and topcoat

Application area Substrate: mineral surfaces
Environment: interior, exterior
Examples: floors of cellars, garages, balconies, pools, sumps

Shades 0110 grey, 0440 blue

Physical properties	Flow time	150 – 190 s (cup Ford Ø 4 mm)
	Weight solids	> 52 %
	Volume solids	37 %
	Flash point	> 24 °C
	Density	1030 - 1080 kg/m ³

Emission limits	Impregnation	
	VOC: 0.48 kg/kg	TOC: 0.42 kg/kg
	Product subcategory: A/h	Threshold value (2010): 750 g/l
Max. VOC content in ready to use state: 749 g/l		

	Topcoat	
	VOC: 0.48 kg/kg	TOC: 0.42 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 - 2
	Pendulum hardness / Persoz	up 12 % in 24 hours
	Hiding power	degree 1
	Liquid water permeability	w3 – low ($\leq 0,1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0,5})$) (EN 1062-3)
	Carbon dioxide permeability	sD > 200 m (EN 1062-6)
	Water-vapour transmission properties	class II $5 \text{ m} \leq s_D \leq 50 \text{ m}$ (EN ISO 7783)
	Surface finish adhesion of building structures to the base	> 3 N/mm ² (substrate concrete) (ČSN 73 2577)

Drying time	Surface temperature	23 °C
	Dust free	up to 2 hours
	Dry through	up to 8 hours
	Dry film thickness DFT	30 - 35 μm

Spreading capacity	Wet film thickness WFT	80 - 95 μm
	Dry film thickness DFT	30 - 35 μm
	Theoretical spreading capacity	5 - 6 m ² /kg per one layer

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Thinning	BALTECH S6005
Surface preparation	<p>Mineral surface must be matured (4 – 6 weeks), compact, free of dust, grease, remains of petroleum products and asphalt and other impurities. It is ideal to suck a dust with powerful vacuum cleaner. The surface must be insulated against moisture. When a water jet cleaning is necessary, it is recommended to leave the substrate to dry thoroughly. In the case of the substrate with larger roughness it is recommended refinished. Humidity of substrate shouldn't exceed 5 %.</p> <p>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.</p>
Application conditions	<p>Minimal air temperature for application is 10 °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.</p> <p>For larger compact areas always use the material from the same batch. Using the same batch can guarantee the same shade of the colour.</p>
Workflow	<p>Coating of mineral surface:</p> <p>The substrate has to be treated with penetrating primer. Stir paint thoroughly throughout the whole volume and dilute it with thinner BALTECH S6005 in a weight ratio of 1 part BETEX 2v1 NA BAZÉNY S2852 and 1 part of thinner BALTECH S6005. Apply diluted paint (usually by a roller) on the prepared surface.</p> <p>Apply 3 or 5 coats of BETEX 2v1 NA BAZÉNY S2852 (without thinning) at the dried penetrating primer (about 24 hours). The finish coat is recommended to apply after thorough drying of the previous coat.</p> <p>Coating of metal:</p> <ol style="list-style-type: none">1. Apply 1 coat of primer FORMEX PRIMER FOR GALVANIZED IRON S2003, optimal dry film thickness 25 – 30µm.2. Apply 3 or 4 coats of BETEX 2v1 NA BAZÉNY S2852. Interval between two layers is 24 hours / 23 °C. Optimal thickness of one layer is 30 – 40µm. <p>The total dry film thickness should be about 120µm. It is not possible to expose the paint system to the water or moisture not earlier than after 7 days.</p> <p>Shade stability can be influenced by exposure to harsh chemical environments. This has no influence on the protective properties of the coating system.</p>
Application	Brush, roller
Handling	<p>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.</p> <p>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.</p>
Packing	1 kg; 4 kg; 9 kg
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.