

BETEX® 2in1 FOR CONCRETE S 2131

Impregnation and top coat for concrete

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Composition Dispersion of pigments and fillers in alkyd resin solution and chlorinated binder in organic solvents.

Characteristics and use The product is determined for semi-matt decorative coatings of mineral surfaces and concrete, e.g. floors of cellars, garages, terraces, balconies, walls and columns, for both interior and exterior. The product is highly resistant against weather conditions, mechanical wearing and has a short-term resistance against some solvents as diesel, engine oil, sulphuric acid. It is not suitable for coating of glazed or monolithic concrete surfaces. It meets the slip resistance requirements. 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 weather resistance
- ◆ moisture and chemical resistance
- ◆ meets the slip requirements (dry surface)

Application area Substrate: mineral surfaces
Environment: interior, exterior
Examples: floors of cellars, garages, terraces, balconies, walls and columns

Shades 0100 white, 0440 blue, 0510 green, 0840 russet

Physical properties	Flow time	150 – 200 s (cup Ford Ø 4 mm)
	Weight solids	> 63 %
	Volume solids	44 %
	Flash point	> 25 °C
	Density	1300 - 1400 kg/m ³

Emission limits	Impregnation	
	VOC: 0.34 kg/kg	TOC: 0.31 kg/kg
	Product subcategory: A/h	Threshold value (2010): 750 g/l
	Max. VOC content in ready to use state: 749 g/l	

Top coat	VOC: 0.34 kg/kg		TOC: 0.31 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 4 - 5
	Pendulum hardness / Persoz	up 14 % 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)
	Water-vapour transmission properties	V3 – low ($\leq 15 \text{ g}/(\text{m}^2 \cdot \text{d})$)
	Surface finish adhesion of building structures to the base	5,1 MPa (substrate concrete) (ČSN 73 2577)

Drying time	Surface temperature	23 °C
	Dust free	up to 20 minutes
	Dry through	up to 24 hours
	Dry film thickness DFT	35 - 40 μm

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Spreading capacity	Wet film thickness WFT	90 µm
	Dry film thickness DFT	40 µm
	Theoretical spreading capacity	7 - 8 m ² /kg per one layer

Thinning S 6005**Surface preparation** Concrete or masonry substrate must be dry, compact, clean, well-matured (usually 4-6 months) and insulated against ground (bottom) moisture. The surface must be free of dust, grease, remains of petroleum products and asphalt and other impurities. It is ideal to suck a dust with powerful vacuum cleaner. 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 to re-abrade the surface.**Application conditions** Minimal air temperature for application is 5 °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.
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** Stir paint thoroughly throughout the whole volume and dilute it with thinner S 6005 in a weight ratio 1 part of BETEX S 2131 and 1 part of thinner S 6005. Apply diluted paint (usually by a roller) on the prepared surface.
Apply the paint at the dried penetrating primer (about 24 hours). The finish coat is recommended to apply after thorough drying of the previous coat. It is not recommended to dilute the paint for finish coat. Optimal total dry film thickness is 80 µm.**Application** Brush, roller**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** 0.8 kg; 2 kg; 5 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.**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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