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Composition Dispersion of inorganic pigments and fillers in a solution of epoxy resin of medium molecular weight in organic solvents with addition of additives.

Characteristics and use The product is intended for use as a glossy top coat of wood, metal, walling, some plastics etc. A dried out coat is resistant to water, moisture, various chemicals (alkalis, in particular), oils, fuels and many solvents. It is heat resistant up to the temperature of 120 °C. Due to weather effects paint has a tendency to chalking and loss of gloss. The paint can be grinded and polished with paste, polisher. Before use the paint is mixed properly with the hardener in specified ratio.

The product is suitable for coatings that come into direct contact with food and feed. The product is not intended for coatings that come into direct contact with drinking water and for coatings of children's furniture and toys.

- ◆ very good chemical and mechanical resistance
- ◆ high gloss
- ◆ suitable for direct food contact

Application area Substrate: metals, masonry, wood, plastics (certain types)
 Environment: for interior use (liable to chalking and loss of gloss by weathering)
 Examples: metal tanks, oil and fuel reservoirs, piping, machines, washable coatings of walls, coats of concrete floors and industrial structures.

Shades 1000 white

Physical properties	Flow time	60 – 80 s (cup Ford Ø 4mm)
	Weight solids	> 60 % (not hardened mixture)
	Volume solids	49 % (hardened mixture)
	Flash point	> 25 °C
	Density of hardened mixture	1150 - 1180 kg/m ³

Emission limits	VOC: 0.40 – 0.45 kg/kg of hardened mixture	TOC: 0.34 – 0.39 kg/kg of hardened mixture
	Product subcategory: A/j	Threshold value (2010): 500 g/l
	Max. VOC content in ready to use state: 456 g/l	

Properties of hardened coat	Gloss	degree 1 - 2
	Pendulum hardness / Persoz	up 30 % in 5 days
	Cupping test	5 mm
	Bend test	perfect (cylindrical mandrel ø 2 mm)

Drying time	Surface temperature	23 °C
	Dust free	up to 3 hours
	Dry through	up to 24 hours
	Dry film thickness DFT	30 - 40 µm

Spreading capacity	Wet film thickness WFT	60 - 80 µm
	Dry film thickness DFT	30 - 40 µm
	Theoretical spreading capacity	11 - 15 m ² /kg of hardened mixture

Thinning BALTECH S6300

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Hardening	<p>Hardener: EPOLEX S7300 Mixing ratio: 100 weight parts EPOLEX S2321 : 33 weight parts EPOLEX S7300 70 volume parts EPOLEX S2321 : 30 volume parts EPOLEX S7300 The pot life of the hardened mixture is 8 hours (20 °C).</p>
Surface preparation	<p>Before the application, the timber surface shall be clean, dry, well smoothed, with max. 12% humidity and free of resin residues. Concrete or masonry substrate must be dry, compact, clean, well-matured (usually 4-6 months) and structurally insulated against ground (bottom) moisture. Metal surface must be clean, dry, degreased, free of rust and dust, mechanically cleaned.</p> <p>Absorbent bases must be treated (impregnated) with suitable agent, providing even absorbency and provided by proper primer Metal substrates must be provided by a proper anticorrosive primer.</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.</p> <p>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, 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 35 °C. Relative humidity must not be higher than 75 %. The optimal application temperature is 18 to 23 °C and relative humidity 40 to 70 %. 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>
Workflow	<p>Properly mix before use. Mix with hardener EPOLEX S7300 in prescribed ratio and properly mix together. Apply on the prepared surface.</p> <p>The coating of a metal:</p> <ol style="list-style-type: none">1x EPOLEX PRIMER S2300. The second coat should be applied not sooner than after 24 hours (20 °C). Drying and maturing of coat can be accelerated by drying at the temperature 60 – 100 °C during 60 – 30 minutes.1 - 2x EPOLEX TOPCOAT S2321. The second coat should be applied not sooner than after 24 hours. Drying may be accelerated by curing at 60°C - 100°C for 60 – 30 minutes.
Application	<p>Brush, roller, spraying</p>
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	<p>0.94 kg (including hardener); 9 kg</p>
Storability	<p>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.</p>
Disposal of packing and waste	<p>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.</p>

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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.