



TIKKURILA

MIRANOL

IMPACT-RESISTANT ALKYD PAINT / FULL GLOSS

DESCRIPTION

Thixotropic (gelatinous) alkyd paint with a mild odor.

RECOMMENDED USES

Freestanding furniture, objects, toys, tools, boats, bicycles, signs, etc.

PRODUCT FEATURES

For interior and exterior painting of wood and metal surfaces. See directions for use. Thixotropic Miranol is easy to apply. It does not sag and levels well.





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TECHNICAL DATA	
Base paints	A BASE, C BASE
Colour Shades	Color cards: Feel the color, Symphony color system. Can be tinted in Tikkurila colors. Also standard colors available in small can sizes.
Gloss	Full gloss.
Coverage	Metal surfaces: 12–14 m ² /l. Smooth wood surfaces: 10–12 m ² /l.
Can sizes	A BASE: 0.1 l, 0.225 l, 0.9 l, 2.7 l, 9 l C BASE: 0.225 l, 0.9 l, 2.7 l, 9 l FACTORY READYMADE SHADE: 0.1 l, 0.333 l, 1 l
Application method	Brush, roller or spray. Airless spraying – nozzle 0.009"–0.013" (0.230–0.330 mm) – thin 10–20% by volume. Conventional spraying – paint nozzle 1.4 mm – 1.8 mm – thin 25–35% by volume (DIN4 18–25 s) (when spraying, the dry paint film must not exceed 40 µm).
Drying time (23°C and 50% relative air humidity)	Dust dry after 3–4 hours. Recoatable after approx. 24 hours.
Density (kg/l)	0.9–1.1 kg/l depending on the shade, ISO 2811
Weather resistance	Good
Chemical resistance	Resistant to vegetable and animal fats, lubricating oils and greases, turpentine, white spirit and denatured alcohol. Not resistant to e.g. thinner. SFS-EN ISO 2812.
Wash resistance	Good with all ordinary detergents, SFS-EN ISO 11998.
Heat resistance	Heat resistant up to 120 °C. Light tones will yellow slightly on surfaces that become warm. ISO 4211-3.
Volume solids (%)	50
Storage	Unaffected by cold storage or transportation.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.



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APPLICATION INSTRUCTIONS

Application conditions

The surface to be painted must be dry, the ambient temperature at least +5 °C and the relative humidity of air below 80%. Note! Under the conditions mentioned above, drying is notably slower than under standard conditions (+23 °C, relative humidity 50%). This especially affects dark shades tinted with Avatint pastes.

Surface preparation

Unpainted surfaces:

Remove all dirt, dust, grease, oil and rust.

Prime wood surfaces with Jehu primer or Otex adhesion primer. Interior steel surfaces in dry conditions can be painted directly with Miranol. In other cases, Rostex Super anti-corrosive primer is recommended as the primer. Prime zinc-coated and aluminum surfaces with Rostex Super anti-corrosive primer. Aluminum surfaces must be roughened before priming.

Previously painted surfaces:

Wash the surfaces with Maalipesu detergent, rinse carefully with water and let dry well. Remove any loose paint with a scraper and sand the entire surface. Remove the sanding dust. Use Lakkakitti to fill any holes and cavities. Use Jehu or with Otex to prime/undercoat surfaces that are in poor condition.

When you paint with a bright red or yellow color, prime wood surfaces with Jehu tinted to the same color. Zinc-coated, aluminum and steel surfaces should be primed with light gray Rostex Super.

Painting

Stir the paint thoroughly before use and, if necessary, thin with White Spirit 1050 for brush application and with Ruiskuohenne 1032 for spray application. Apply 1–2 coats by brush or spray.

Maintenance painting:

Surfaces painted with Miranol can be maintenance painted with a similar type of solvent-borne paint. See Pretreatment.

Cleaning of tools

Clean tools with White Spirit 1050 or Tikkurila Pensselipesu (Tool Cleaner). Clean tools with White Spirit 1050 or with Tikkurila Pensselipesu (Tool Cleaner).

Maintenance instructions

If needed, after approx. 1 month from painting, at the earliest: Clean the surface with a neutral (pH 6–8) dish washing solution and a soft brush, sponge or cleaning cloth. Clean very dirty surfaces with a mild alkaline (pH 8–10) washing solution and a cleaning cloth or sponge. Rinse the surface carefully.

After the surface treatment, surfaces must be handled with care for a few weeks, as the product will reach its final hardness and durability in about one month under normal conditions. If the surfaces need to be cleaned soon after finishing, clean them lightly with a brush or damp cleaning cloth.

Maintenance treatment

Maintenance painting: Surfaces painted with Miranol can be maintenance painted with a similar type of solvent-borne paint. See Pretreatment.

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Environmental and waste disposal

Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

Contains: hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics. **WARNING.** Flammable liquid and vapor. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Contains cobalt bis(2-ethylhexanoate) and ethyl methyl ketoxime. May produce an allergic reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from sparks and open flames. - No smoking. Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves.



GHS02



GHS07

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