

Temacryl AR 50

DESCRIPTION

A physically drying, one-component semi-gloss acrylic based topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- Easy to handle in the painting process. Due to its high film-building properties, the paint can be applied in thick layers, thus shortening the application process
- Can be applied at sub-zero temperatures, thus making it suitable for surfaces exposed to marine or industrial climates and mild chemical stress
- Tolerates temperatures up to +80°C dry heat
- Recommended for e.g. bridges, cranes, conveyors, harbour equipment and tank exteriors

TECHNICAL DATA

Volume solids

40±2% (ISO 3233)

Weight solids

55±2%

Specific gravity

1.1–1.3 kg / l depending on colour.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
100µm	40µm	10.0 m²/l
175µm	70µm	5.7 m²/l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 50 µm	+10°C	+23°C	+35°C
Dust dry, after	1½h	1h	½h
Touch dry, after	4h	3h	1h
Recoatable, after	5h	4h	3h

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Gloss

Semi-gloss.

Color shades

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting

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APPLICATION INSTRUCTIONS

Surface preparation	Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)
Recommended primers	Temanyl MS Primer, Temaprime EE, Temasil 90, Temazinc 77, Temazinc 99.
Recommended topcoats	Temacryl AR 50.
Application conditions	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below -5°C during application and drying. Relative humidity of the air should not exceed 85% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.
Application	<p>Stir the product carefully before use.</p> <p>For airless spraying, the product is thinned approximately 0–15%. Recommended nozzle tip is 0.013"–0.019" and pressure 120–180 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For brush application the product should be thinned according to the circumstances.</p>
Thinners	Thinner 1006, Thinner 1053
Cleaning of equipment	Thinner 1006 or Thinner 1053.
VOC	<p>The Volatile Organic Compounds amount is 540 g/litre of paint.</p> <p>VOC of the paint (thinned 15% by volume) is 590 g/l.</p>

HEALTH AND SAFETY	<p>Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.</p> <p>A health and safety data sheet is available on request from Tikkurila Oyj.</p>
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For industrial use only.

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.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.