

TX32
TEMANYL GF

The vinyl ester systems TX32 are suitable for coating of steel surfaces exposed to immersion environments where superior resistance to chemical stress and high temperature is required. Resists crude oil up to +90°C, formic, acetic, lactic, maleic and phthalic acid and sulphuric, phosphoric, nitric and perchloric acid. Resistant to variety of alcohols, ketones and other solvents, wet and dry Sulphur dioxide and trioxide fumes, black and white liquor (pulp mill). Temperature resistance +100°C in sea water. Especially developed for long-term, economical protection of storage tank. Provides outstanding protection for internal lining for offshore, onshore and buried tanks and pipes subject to extreme chemical exposure and mechanical wear. Instead of a multi-layer system, only 1-2 coats are required but the achieved durability is the same. These properties result in cost-savings throughout the entire lifetime of the coated surface.

Corrosivity categories/durability according to ISO 12944	Tikkurila code	Treatment
Steel surfaces		
Corrosivity categories Im1, Im2, Im3 Inside of tanks, basins and pipelines exposed to acids, chemical solutions, solvents and fuels, immersion and splashes.	TX32 TEMANYL GF	VE500/1-FeSa2½ DFT <u>500 µm</u> 500 µm
Corrosivity categories Im1, Im2, Im3 Inside of tanks, basins and pipelines exposed to acids, chemical solutions, solvents and fuels, immersion and splashes with abrasive loads.	TX32 TEMANYL GF	VE1000/1-FeSa2½ DFT <u>1000 µm</u> 1000 µm
Corrosivity categories Im1, Im2, Im3 Inside of tanks, basins and pipelines exposed to acids, chemical solutions, solvents and fuels, immersion and splashes with extreme abrasive loads.	TX32 TEMANYL GF	VE2000/1-FeSa2½ DFT <u>2000 µm</u> 2000 µm

Marking of paint systems: TX32-VE1000/1-FeSa2½

COLOURS

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SUITABLE SHOP PRIMERS

The surfaces should be blast cleaned so that only traces of used shop primer are left, the surface should be evenly grey, Sa2½. The surface profile should be rough. (EN ISO 8503-2)

SURFACE PREPARATION	Oil, grease, salts and dirt are removed by appropriate means. (EN ISO 12944-4) Steel surfaces: Blast clean to grade Sa2½. (EN ISO 8501-1) The surface profile must be minimum 50 µm.
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 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point and not more than +20°C above the paint temperature. Good ventilation and sufficient air movement is required in confined areas during application and drying. Paint temperature should be above +15°C (to achieve good spray pattern), and below +30°C (relatively fast curing reaction shortening the pot life). If material temperature is higher separate inhibitor should be used.
APPLICATION	For airless spraying, the pump should be of 45:1 or greater. Fit leather and PTFE seal combination and remove all fluid filters. 10mm diameter (3/8") nylon lined hose with 6mm whip end, large bore gun with reverse clean spray tip. Recommended nozzle tip is 0.029"–0.048" and pressure approx. 200 bar. Size of nozzle and fan angle will vary depending on the nature of the work. Spray angle should be 45°–60°. Use "wet-on-wet" technique with film thickness 500–2000 µm.
MAINTENANCE PAINTING	Repainting When the rust grade is Ri4 or Ri5, the entire coating must be renewed. Remove the old paint film and clean the surfaces to preparation grade Sa2½. Recoat in accordance with the original paint system.
PRODUCT INFORMATION	More detailed product information is available in respective data sheets.

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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 14101. 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.