

Temaclad SC 50

DESCRIPTION	A two-component, semi-gloss a Hardener aliphatic isocyanate.	acrylic polyureth	ane with antic	orrosive pigme	ntation.
PRODUCT FEATURES AND RECOMMENDED USES	 Suitable for urban, marine and industrial environments Also suitable to be used as a topcoat in epoxy/epoxypolyurethane systems Outstanding colour and sheen retention Forms tough and abrasion resistant finish Dirt repellent and easy to clean surface. Not recommended for use in immersion conditions Recommended to be used as a single-coat finish for steel, aluminium and galvanized surfaces 				
TECHNICAL DATA					
Volume solids	55±2%. (ISO 3233)				
Weight solids	69±2%.				
Specific gravity	1.3±0.1 kg / I (mixed).				
Mixing ratio	Base9 parts by volumeHardener1 part by	Temaclad SC volume	50 008 76	15	
Pot life (+23°C)	4 hours				
Recommended film thicknesses and theoretical coverage	Recommended fi	commended film thicknesses		Theoretical coverage	
	wet	dry			
	90µm*	50µm*		11.0 m²/l	
	145µm**	80µm**		6.9 m²/l	
	*For maintenance painting of so **For new painting or for bare m Practical coverage depends on and roughness of the surface to roofs practical coverage in new	blid old paint or on netal surfaces. N the application to be coated. Wh painting is usual	coating layer. /inimum DFT method, painti en using airles ally 5–6 m²/l.	is 60µm. ng conditions a ss spraying in r	and the shape metal-sheeted
Drying time	DFT 50µm	+5°C	+10°C	+23°C	+35°C
	Dust dry, after	3h	2h	1h	45min
	Touch dry, after	9h	6h	3h	2h
	Recoatable, min., after	30h	24h	12h	8h
	Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.				
Gloss	Semi-gloss. (3/RT classification	n)			
Color shades	RAL, NCS, SSG, BS, MONICC Premium tinting	DLOR NOVA and	SYMPHONY	colour cards.	Temaspeed



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APPLICATION INSTRUCTIONS

Surface preparation	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)
	Steel surfaces: Blast clean to grade Sa2½. (SFSISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.
	Zinc surfaces: Sweep blast clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading.
	Zinc-coated thin plate surfaces (like metal-sheeted roofs) are washed with PANSSARIPESU detergent.
	Aluminium surfaces: Sweep blast clean with non-metallic abrasives to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with MAALIPESU detergent.
	Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Remove peeling and poorly adhered paint. Repair any damage to the primer coat. Note the overcoating time of primer. (SFS-EN ISO 12944-4)
	Old alkyd or acrylic and industrially coated (not PVDF) surfaces: Remove rust and white rust by power tool cleaning to St2. Hard, glossy paint surfaces should be roughened by abrading. Oil, grease, salt ,dirt and dust are removed by washing with PANSSARIPESU detergent.
Recommended primers	Temaprime EE, Temacoat GF Primer.
	Suitable to be used without primer. Metal-sheeted roofs do not need any priming.
Recommended topcoats	Temaclad SC 50.
Recommended topcoats Application conditions	Temaclad SC 50. All surfaces must be clean, dry and free from contamination. During application and drying the temperature of the surface should not fall below 0°C. The surface temperature of steel should remain at least 3°C above the dew point. For proper application the temperature of the product itself should be above +15°C during mixing and application. If the temperature of the substrate is over +50°C, painting is not recommended. Good ventilation is required in confined areas to ensure proper drying. Condensation occurring during or immediately after application may result in matt finish and an inferior film.
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HEALTH AND SAFETY

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.

A health and safety data sheet is available on request from Tikkurila Oyj.

For industrial and professional 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.