



Technical properties

- 2-component semi-gloss acrylic polyurethane paint
- anti-corrosion pigmentation
- dry-solids content 55% by volume (ISO 3233)
- mixing ratio 9:1 (paint:hardener)
- pot life 4h (+23°C)
- dust dry 1h, touch dry 3h (+23°C)
- high-pressure spray application
- tinting with Temaspeed Premium tinting system
- additional information available from product data sheet and material safety data sheet

Benefits of Temaclad SC 50

- fast-drying, one-coat paint, which requires only a single application for a finished surface
- exceptional colour and gloss durability; looks freshly-painted for years
- appropriate for aluminium, zinc and steel surfaces without primer
- extremely good adhesion to galvanised sheet metal surfaces, e.g. roof sheeting
- well suited for maintenance painting of coil-coated sheet metal surfaces (not recommended for PVF2 (PVDF) surfaces)

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Temaclad SC 50

TIKKURILA

Temaclad SC 50 for demanding new and maintenance painting

Temaclad SC 50 is a two-component polyurethane paint with exceptional colour and gloss durability, as well as wide range of recommended applications. This product is a fast-drying, one-coat paint, which requires only a single application for a finished surface. It is appropriate for aluminium, zinc and steel surfaces without primer, as well as for maintenance painting of coil-coated surfaces and surfaces previously coated with alkyd paints. It is designed for spray application by painting professionals.



Exceptional protective properties

The resin in Temaclad SC 50 is polyurethane, which gives the product exceptional weather resistance and mechanical durability. Thanks to the polyurethane technology, the paint film has extremely good gloss and colour durability, and as a result, surfaces coated with Temaclad SC 50 remain freshly-painted looking for years. As the two-component paint crosslinks, a mechanically durable, tight film forms, which also stands up to moisture better than one-component paints.

Polyurethane paint with anticorrosive pigmentation adheres very well to aluminium, zinc and steel surfaces. Thanks to good adhesion and corrosion prevention pigmentation, no separate primer is needed – a finished surface can be achieved with a single coating.

Wide range of applications

The paint is suitable for many different applications for both new and maintenance painting. Temaclad SC 50 polyurethane paint is available in thousands of different colours, such as the Tikkurila Symphony, RAL, and NCS-S colour card shades, and the product is tinted with the high quality Temaspeed Premium tinting system.

Galvanized thin sheet

Temaclad SC 50 is exceptionally well suited for the coating of hot-dip galvanised thin sheet, such as sheet roofing and cladding, without a separate primer. The recommended dry film thickness is 40–80 µm, depending on the environmental stresses of the location.

In the case of plenty of rust on the galvanized surface, remove first the rust and ensure excellent corrosion protection by applying a primer coat of Temaprime EE with DFT 40 µm on cleaned areas before painting with Temaclad SC 50.

Coil-coated sheet

Temaclad SC 50 polyurethane paint suits exceptionally well for the maintenance painting of coil-coated metal sheeting where a high-quality, long-lasting surface is desired. The coating has very good adhesion to coil-coated sheeting such as Plastisol, polyester and polyurethane surfaces. However, Temaclad SC 50 is not recommended for PVF2 (PVDF) surfaces. The recommended



dry film thickness is 40–60 µm, depending on the environmental stress.

Old surfaces coated with alkyd paint

Temaclad SC 50 is also appropriate for the maintenance painting of old surfaces coated with alkyd paints. Before painting, it is important to inspect the adhesion of the alkyd paint to its substrate. If the adhesion of the old alkyd paint to the substrate is poor, the old paint surface must be removed completely before recoating with Temaclad SC 50. The recommended dry film thickness for painting over old alkyd paint is 40–60 µm and for recoating 40–80 µm, depending on the environmental stress.

Other applications

Temaclad SC 50 polyurethane paint is well suited as a one-coat paint for various aluminium, hot-dip galvanized and steel surfaces. The same paint can easily be used to coat both steel supporting structures and galvanized sheeting surfaces, which yields a uniform and attractive overall appearance. The product may also be used as a top coat for epoxy polyurethane

systems. The recommended dry film thickness for aluminium and hot-dip galvanized surfaces is 40–60 µm and for steel 80–100 µm, depending on the environmental stresses of the location.

For professional use

This product has been designed for high-pressure spray application where high performance is required on large surfaces, so it is recommended that the paint application is carried out by painting professionals who have the right equipment and expertise for the job. Touch-ups and small areas can also be painted with a brush.

Professional service from Temaspeed distributors

Because Temaclad SC 50 polyurethane paint can be tinted only with the Temaspeed Premium tinting system, it is only available from professional, helpful Temaspeed distributors who sell Tikkurila industrial coatings. Your local Temaspeed distributor will assist you in selecting a colour shade and will guide you in the proper use of the product and its suitability for different applications.

