

TEMADUR SC 20

DESCRIPTION

A two component semimatt polyurethane paint containing anticorrosive pigments, hardener aliphatic isocyanate.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Especially recommended as a single coat paint for steel, aluminium and zinc surfaces, e.g. agricultural and earth moving machinery and other machines and equipment.
- ◆ Can also be used as a primer in polyurethane systems and as a semimatt topcoat in EPPUR-systems exposed to weathering and chemical stress.
- ◆ Excellent weathering and abrasion resistance.
- ◆ A durable, easy to clean and non-chalking primer with good gloss and colour retention.

TECHNICAL DATA

Volume solids 65 ± 2 %. (ISO 3233)

Weight solids 78 ± 2 %.

Specific gravity 1.4 ± 0.1 kg / l (mixed)

Mixing ratio and product codes
Base 5 parts by volume 533 series
Hardener 1 part by volume 008 7640

Pot life 4 hours (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses/one coat application		Theoretical coverage
dry	wet	
80 µm	125 µm	8.1 m ² /l
120 µm	185 µm	5.4 m ² /l
Recommended film thicknesses/systems		Theoretical coverage
dry	wet	
40 µm	60 µm	16.2 m ² /l
60 µm	95 µm	10.8 m ² /l

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

Drying time

DFT 60 µm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	2 h	1½ h	50 min	30 min
Touch dry, after	10 h	8 h	6 h	2 h
Recoatable, after	No limitations.			

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

Finish

Semimatt.

Colours

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

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APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.</p> <p><u>Zinc surfaces:</u> 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 or washed with PANSSARIPESU detergent.</p> <p>Hot dip galvanized surfaces are recommended to be painted with a misty coat (paint thinned 25 - 30 % or with separate TEMACOAT SEALER primer before the actual priming).</p> <p><u>Aluminium surfaces:</u> Sweep blast-clean with none-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.</p> <p>Note! Painted zinc and aluminium surfaces are not recommended when they are exposed to continuous condensation.</p> <p><u>Primed surfaces:</u> 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)</p>
Primer	TEMADUR SC 20, TEMACOAT GPL-S PRIMER, TEMACOAT GF PRIMER, TEMACOAT HB PRIMER, TEMACOAT HS PRIMER, TEMACOAT PM PRIMER, TEMACOAT GPL-S MIO, TEMACOAT SPA, TEMACOAT RM 40, TEMABOND, TEMAPRIME GF, FONTECRYL 10 and FONTECOAT EP PRIMER.
Finish	TEMADUR and TEMATHANE.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 5 °C / 41 °F during application or drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 5 °F above the dew point.
Mixing components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use a mechanical agitator for mixing.
Application	By airless or conventional spray or by brush. Depending on the temperature of the components and shape of the object the paint can be thinned 5 - 20 %. Airless spray nozzle tip 0.011" - 0.015"; nozzle pressure 120 - 180 bar, spray angle shall be chosen according to the shape of the object. In order to reach thicker coats (over 120 µm) use always "wet-on-wet" technique.
Thinner and cleaning of equipment	Thinner 1067, 1048 or 1061.
VOC	The Volatile Organic Compounds amount to 320 ± 20 g/litre of paint.
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 Oy.</p> <p>For professional use only.</p>

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