

Temasilox

Beskrivelse

A high performance, isocyanate free two-component, high-solids and high-gloss polysiloxane topcoat with excellent color and gloss retention.

Produktegenskaber og anbefalet brug

- Excellent anticorrosive properties. When applied in two-coat system on zinc rich primer, corrosivity class C5 can be achieved
- Isocyanate free topcoat. Does not generate any di-isocyanates during cutting, welding or in a fire
- As a high-solids, VOC compliant product Temasilox meets even the most stringent environmental demands
- Higher UV-resistance than with conventional topcoats
- Offers significant savings with regard to maintenance costs
- Easy to apply on large surfaces due to long open time of the paint film
- No need for evaporation of solvents before ovening
- Rapidly ready for service
- The product is approved to be used as a topcoat in pre-qualified systems according to NORSOK M-501, system 1, rev.6
- Can also be used as a single-coat finish on blast cleaned or phosphated steel. On blast cleaned steel even corrosivity category C4 is possible
- Recommended to be used as an isocyanate free finishing coating for steel structures for bridges, tanks, pipes, buildings, power plants, offshore structures and other structures that require long durability in severe corrosive atmospheric areas

TEKNISK DATA

Volumen tørstof 87±2%

Vægt tørstof 91±2%

Massefylde 1.5±0.1 kg / l (mixed)

Blandingsforhold
Base 2 parts by volume Temasilox
Hardener 1 part by volume 008 7601

Pot life 2 hours (+23°C)

Anbefalet lagtykkelse og teoretisk rækkeevne

Recommended film thicknesses		Theoretical coverage
wet	dry	
90µm	80µm	10.9 m²/l
140µm	120µm	7.3 m²/l
170µm	150µm	5.8 m²/l

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

Tørretid

DFT 120 µm	+5°C	+10°C	+23°C	+50°C	+70°C
Dust dry, after	1½h	1h	30min	-	-
Touch dry, after	2h	1½h	1h	-	-
Dry to handle, after	8h	5½h	3h	1h	25min

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Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. When forced drying in temperatures +50—+100°C, use flash-off time between 0–15 minutes, depending on the wet film thickness and the actual temperature.

Glans

Højglans.

Farver

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

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PÅFØRINGSINSTRUKSER

Forbehandling	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion. 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)
Anbefalede primere	Temacoat GPL-S Primer, Temacoat Primer, Temasil 90, Temazinc 77, Temazinc 99, Fontecoat EP 50 Beige, Temacoat HS-F Primer.
Anbefalede topcoats	Temasilox.
Påføringsforhold	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. Good ventilation and sufficient air movement is required in confined areas during application and drying.
Blanding af komponenter	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and weaken the properties of the coating.
Påføring	For airless spraying, the product is thinned approximately 0–5% depending on the temperature of the components and shape of the object. Recommended nozzle tip is 0.011"–0.015" and pressure 160–200 bar. Spray angle shall be chosen according to the shape of the object. Do not use worn-out nozzle. For air-assisted airless spraying, the product is thinned approximately 0–5% depending on the temperature of the components and shape of the object. Recommended nozzle tip is 0.011"–0.015" and pressure 160–200 bar. Atomising air pressure should be 1–3 bar. Spray angle shall be chosen according to the shape of the object. Do not use worn-out nozzle. In order to reach DFT 120 µm it is recommended to use "wet-on-wet" technique: first layer 100–125 µm WFT and then let the solvents evaporate for 5–15 minutes and apply the full coat. Misty first layer may result in orange peel. For brush application the product should be thinned according to the circumstances.
Fortyndere	Thinner 1048, Thinner 1061
Rengøring af udstyr	Thinner 1048 or Thinner 1061.
VOC	The Volatile Organic Compounds amount (ISO 11890) is 130 g/litre of paint mixture. VOC content of the paint mixture (thinned 5% by volume) is 170 g/l.
HELBRED OG SIKKERHED	Emballagen er udstyret med sikkerhedsmærkater, som skal bemærkes. Yderligere information om farlige bestanddele og beskyttelse er nærmere beskrevet i individuelle helbreds- og sikkerhedsblade. Helbreds- og sikkerhedsdatablad kan fås ved henvendelse til Tikkurila.

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