

Outstanding protection

Tikkurila Coatings offers an extensive range of high quality protective coating products for metal surfaces, equipment and structures within the oil and gas industries.

Steel structures

Temabond ST 200 / WG 200

is a high-solids aluminium pigmented epoxy paint especially designed for the repair and maintenance painting of steel surfaces. It has excellent adhesion to handtool cleaned surfaces (St2), and can be applied by brush or spray.

Temabond ST 300 / WG 300

is a high-solids epoxy paint for steel surfaces with low solvent content and low VOC emissions. The adhesion to handtool cleaned surfaces (St2) is excellent. Available in a wide spectrum of colours it can be also used as a single coat paint.

Temacoat GPL-S MIO

is an epoxy intermediate coat containing micaceous iron oxide that forms a very strong and durable coating.

Temathane PC 80

is a high-solids gloss polyurethane topcoat for steel structures exposed to exterior weathering. Low solvent content and VOC emissions. Available in a wide range of colours.



Temazinc 99

is a polyamide cured zinc-rich epoxy primer for steel surfaces that are exposed to severe exterior weathering and climatic attack. The product has excellent corrosion resistance properties based on cathodic protection.

Heat resistant products

Temal 400 / 600

is a silicone based product series with heat resistance up to 650 °C.

Temasil 90

is an ethyl silicate, zinc-rich primer for steel surfaces that are exposed to severe exterior weathering and climatic attack. The excellent corrosion resistance properties are based on cathodic protection. The paint is heat resistant up to 400 °C, and can be applied even in very low temperatures.



Lining products for tank interiors

Temaline BL

is a solvent-free epoxy paint with excellent chemical resistance properties, suitable for coating of storage tanks containing lead-free gasoline, solvents and oil products (see separate resistance chart).

Temaline LP Primer / LP 60

is an epoxy primer / topcoat with excellent chemical resistance properties, especially suitable for protecting storage tanks for kerosene, fuel and crude oil against corrosion.

For professional results specify Tikkurila

For further details on Tikkurila coating systems

for the oil and gas industries contact your nearest

Tikkurila technical centre.

Our experienced staff will be pleased to provide you

full information on coating specifications,

authority approvals and our track record

for related applications.

DENMARK

Tikkurila Coatings
Tel +45 79 233 137
Fax +45 79 223 323

ESTONIA

AS Tikkurila Coatings
Tel +372 6 598 950
Fax +372 6 598 951

FINLAND

Tikkurila Coatings Oy
Tel +358 9 857 741
Fax +358 9 8577 6911

HUNGARY

Tikkurila Coatings Kft
Tel +36 1 348 3050
Fax +36 1 348 3083

LATVIA

SIA Tikkurila Coatings
Tel +371 7 602 470
Fax +371 7 626 003

THE NETHERLANDS

Tikkurila Coatings B.V.
Tel +31 181 28 22 22
Fax +31 181 28 22 05

NORWAY

Tikkurila Coatings
Tel +47 22 803 290
Fax +47 22 803 291

POLAND

Tikkurila Coatings Sp. z o.o
Tel +48 14 676 9805
Fax +48 14 676 9806

RUSSIA

ZAO Tikkurila Coatings
Tel +7 812 101 4413
Fax +7 812 101 1560

SWEDEN

Tikkurila Coatings AB
Tel +46 8 598 916 00
Fax +46 8 598 917 00

UNITED KINGDOM

Tikkurila Coatings Ltd
Tel +44 (0) 121 525 5665
Fax +44 (0) 121 553 2787

www.tikkurila.com



Group Head Office:

Tikkurila Coatings Oy
P.O. Box 53, FIN-01301 Vantaa, FINLAND
Tel +358 9 857 741, fax +358 9 8577 6911
www.tikkurila.com



Protective Coatings for the Oil and Gas Industries

TIKKURILA

a complete range

TECHNOLOGY TO RELY ON

Protective Coatings for the Oil and Gas Industries

The demands set for protective coatings by the petrochemical industries are especially high due to the very nature of the business. The whole chain of operation, from primary production, transport, refinement, and storage to the end use of the oil and gas products is constantly exposed to aggressive chemical and mechanical stresses and corrosion. The production equipment, processing units, storage tanks, pipelines and other necessary facilities must be properly protected with dependable coating systems for safety and usability.



Tikkurila Coatings Group is one of Europe's foremost paint manufacturers, supplying high performance, environmentally acceptable products to the manufacturing, construction and refurbishment markets. With over 100 years of experience, our product range and technical expertise cover all the major areas in industrial finishing and protective coatings for heavy steelwork and engineering products.

Tikkurila products and systems provide dependable, cost effective long-term protection against corrosion and wear, and ease of maintenance under the most severe conditions.

Our paint systems for the oil and gas industries fully comply with the requirements set by international standards.

Our experienced technical service personnel provide complete back-up for coating projects. The services include initial on-site assessment, detailed advice for coating specifications with pre-treatment and application methods combined with management and supervisory services for particular projects.



durability

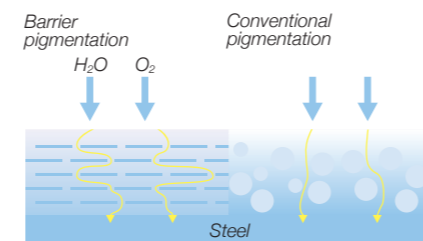
Steel structures in process areas

The products and coating systems for new construction and maintenance of steel, aluminium and galvanized surfaces are made for conditions that vary from mild to heavy stress. The outstanding performance of the systems has been proved both in the laboratory and in practice.

Efficient protection for new construction

Long-term protection against corrosion is achieved by Tikkurila system TP 67, which includes a zinc-rich primer and a barrier pigmented middle coat. The system is applied on a blast cleaned surface, preferably under paint shop conditions.

The barrier pigmented paint functions as a protective shield against moisture and oxygen, preventing their corrosive effect on steel. A layer of interlaced flakes of eg. micaceous iron oxide or aluminium, multiplies the distance which the corrosive molecules must migrate to reach the steel surface.



The TX 25 and TX 26 systems give good long-term resistance to heat and corrosion. Both are easy to apply, maintain and repair even on site.



New constructions in process areas

Paint system: TP 67
Temazinc 99 1 x 40 µm
Temacoat GPL-S MIO 1 x 120 µm
Temathane PC 80 1 x 80 µm
Total DFT 240 µm

Heat resistant (Resistance up to 400 °C)

Paint system: TX 25/26
Temasil 90 1 x 70 µm
Temal 400/600 1 x 20 µm
Total DFT 90 µm

Heat resistant (Heat resistant up to 650 °C)

Paint system: TX 12
Temal 600 1 x 40 µm
Total DFT 40 µm

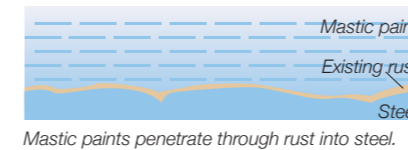
In cold climates the painting season can be extended by using winter grade Temabond WG products.

These products allow application at temperatures down to -5° C giving minimum delays in cold shops or outdoors.

Good application properties and a high solids content in Temabond products mean fewer coats and low VOC emissions.

High performance for maintenance

In areas where complete removal of rust from the surface by blast cleaning is impracticable, the use of systems with surface tolerant epoxies (mastics) is the first choice. The small molecular size of epoxy enables the paint to penetrate through the rust and adhere to the underlying steel surface, effectively preventing further corrosion.



Maintenance

Paint system: TP 69
Temabond ST 200 2 x 80 µm
Temathane PC 80 1 x 80 µm
Total DFT 240 µm



Tanks and Pipelines

For the exteriors of new tanks the TP 67 anticorrosive coating system is recommended.

Pipelines and their supportive structures at terminals and storage areas are usually situated outdoors. Thus they are exposed to heavy climatical stress, varying temperatures and UV-radiation.

The polyurethane topcoat gives excellent durability and weather resistance.

The interiors of storage tanks for petroleum and gas products require a lining that can withstand the heavy ambient chemical and thermal stresses.

Depending on the actual use of a particular tank, the TE 5 and TE 54 interior lining systems are the most recommended alternatives.



Exterior/new construction

Paint system: TP 67
Temazinc 99 1 x 40 µm
Temacoat GPL-S MIO 1 x 100 µm
Temathane PC 80 1 x 40 µm
Total DFT 180 µm

Exterior/maintenance

Paint system: TP 69
Temabond ST 200 1 x 140 µm
Temathane PC 80 1 x 40 µm
Total DFT 180 µm

Lining

Paint system: TE 5
Temaline BL 2 x 250 µm
Total DFT 500 µm

Paint system: TE 54
Temaline LP Primer 2 x 100 µm
Temaline LP 60 1 x 100 µm
Total DFT 300 µm

high performance

