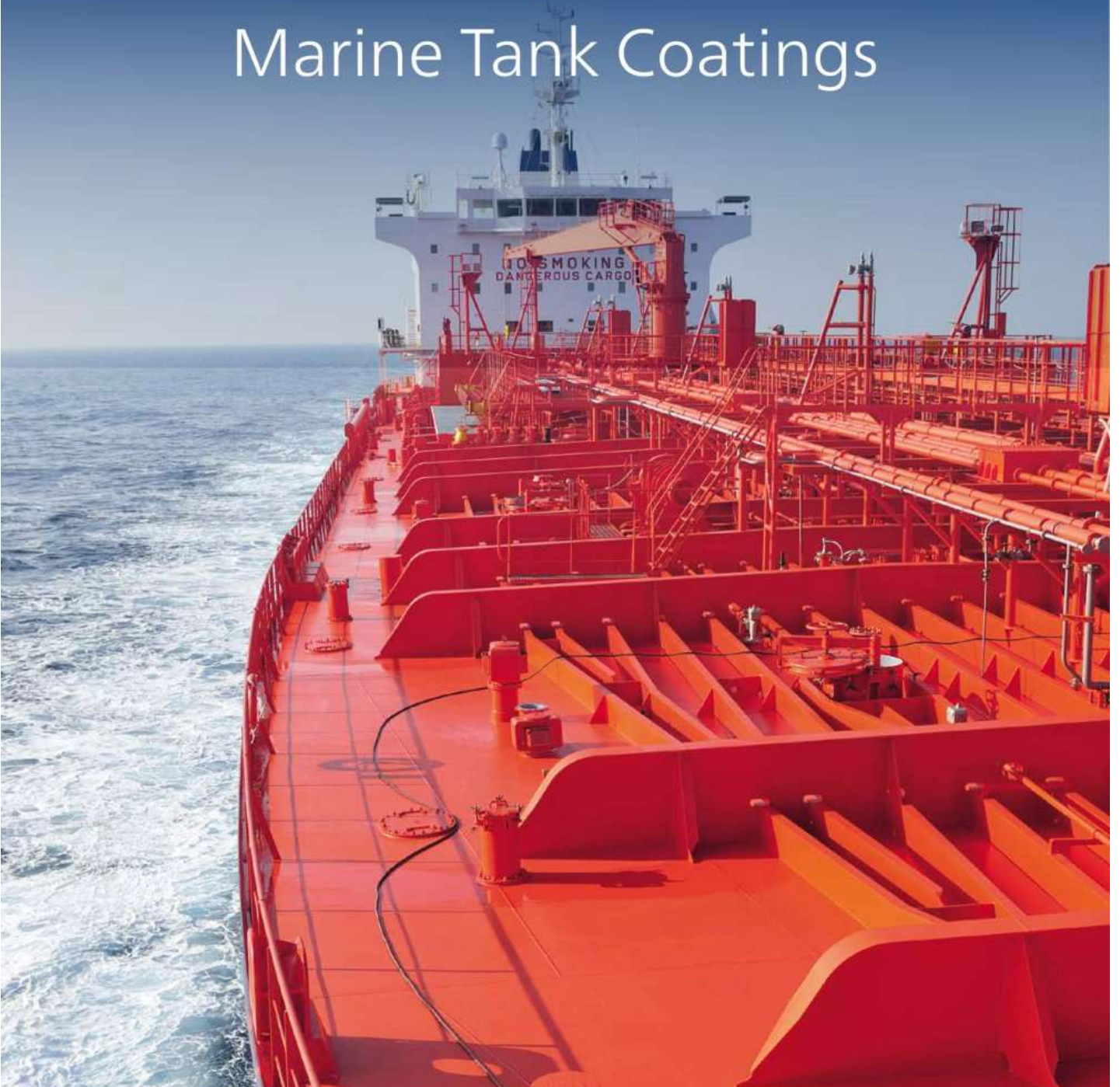




Tankguard

Marine Tank Coatings



More than 50 years in the tank coating business

Bringing simplicity and flexibility to a complex business

Tank coatings must serve a dual purpose – to protect the carried cargo against contamination and to protect the substrate of the tank against corrosion. The tank coating must provide resistance to the diverse and constantly changing nature of the cargoes being transported.

With our more than 50 years of experience in the tank coating business Jotun provides efficient solutions in this varied and complex field.

Selecting the right coating

There are several things to consider when selecting the best coating to ones individual cargo transportation needs.

The main selection will be between a novolac tank coating resistant to the broadest range of chemicals, a phenolic tank coating for all-round use or a standard epoxy tank coating resistant to a set list of chemicals or cargo groups.

Choosing a novolac tank coating will also allow for frequent cargo changes and more flexibility in cargoes that can be transported.

The trading pattern of the vessel should be the basis for choosing the correct coating.

Products that cover the spectrum

Utilising four different coating chemistries Jotun covers the spectrum of transported oils and chemicals, as shown in the table below.

The Jotun range of tank coatings represents innovative products each developed to meet the challenges of protection against corrosion and contamination. Low temperature product application, worldwide product availability and a team of dedicated coating inspectors for tank coatings jobs allows Jotun to offer unrivalled service, support and advice.

Generic type	Jotun tank coating	Optimised for	
Epoxy novolac	Tankguard Special Ultra	The shortest turn-around time in the market Highest temperatures, speciality chemicals including FFA, EDC and methanol.	<div><div></div><div></div><div></div><div></div></div>
Epoxy phenolic	Tankguard Special	All-round use and spot market trading of commodity chemicals	<div><div></div><div></div><div></div><div></div></div>
Epoxy	Tankguard HB Classic	Crude oil, petroleum products and simple commodity chemicals	<div><div></div><div></div><div></div><div></div></div>
	Tankguard CPC	Crude oil, petroleum products and simple commodity chemicals	<div><div></div><div></div><div></div><div></div></div>
Zinc silicate*	Tankguard Zinc	Selected, niche chemicals including methanol	<div><div></div><div></div><div></div><div></div></div>

* Waterborne version available on request

Commodity chemicals

Vegetable / palm oil

Speciality chemicals

Crude oil / petroleum products

Future proofing tanks by ch

Value of the cargo

Rejected cargoes and the need for recoating tanks are time consuming and costly. It is therefore critical that the tank coating used is easy to clean and does not retain cargo leading to contamination of subsequent cargoes. Restrictions on cargo sequences or stowage times can slow down the trading speed of the vessel. Fast turn-around of cargoes without compromising coating or cargo quality is therefore of paramount importance. Jotun can offer the shortest recovery time on the market, increasing transportation efficiency.

Fixed trade p

Depending on the trad of a tanker different pr required from the tank

When operating with f patterns one could sele coating that has a chem resistance more tailored the currently transport Should one wish to fut against cargo composi changing, for instance levels of free fatty acids or additives in biofuels, to a heavy duty epoxy r coating increases the c flexibility of the tank.

If trading on the spot r then attention to curre



Recommended tank coatings *coating solutions for every cargo*

Tankguard | HB CLASSIC

Quality epoxy tank coating for use with well known cargoes.
Easy cleaning between cargoes.

Tankguard | CPC

Epoxy tank coating tailored for transportation of clean petroleum products.
Optimised for usage where extensive chemical resistance is not needed.

Tankguard | SPECIAL

Epoxy phenolic tank coating for an extended range of cargoes on the spot market.
All-round use and spot market trading.

Tankguard | SPECIAL ULTRA

Epoxy novolac tank coating to withstand the most challenging cargoes and cargo sequences.
The shortest recovery time between cargoes on the market.

T
Zir
re:
Ex





A global supplier of coatings



Jotun is one of the world's leading manufacturers of paints, coatings and powder coatings.

We have 68 companies in 43 countries and 33 production facilities in 20 countries on all continents, and are represented in more than 90 countries with our network of agents, branch offices, distributors and sales offices around the world.

Our operations cover development, production, marketing, R&D and sales of paints and coatings to protect and decorate surfaces in residential, shipping and industrial markets.

Jotun is organised in four segments and seven geographical regions with its head office located in Sandefjord, Norway.

PROTECTIVE COATINGS

Our protective coatings are protecting assets in industries such as offshore, energy, infrastructure and hydrocarbon processing.

MARINE COATINGS

As the world's leading provider of marine coatings we supply to ship owners, management companies and others for newbuilding, seastock and dry-dock.

POWDER COATINGS

Our powder coatings are supplied to manufacturers of appliances, furniture, building components, pipelines and general industries.

DECORATIVE PAINTS

Our interior and exterior paints are being used by consumers and professionals worldwide, for protection and decoration.

Jotun Marine Coatings and Jotun Protective Coatings offices worldwide

Legal Jotun entities worldwide are listed. For details of Branch offices and Jotun representation in countries not listed, please visit jotun.com

AUSTRALIA

Jotun Australia Pty. Ltd.,
P.O. Box 105, Altona North,
9 Cawley Road,
BROOKLYN, VIC 3025
Tel: +61 3 9314 0722
Fax: +61 3 9314 0423

BRAZIL

Jotun Brasil Ltda.
Av Santa Luzia, 2084 - Santa Luzia
24.722-315 São Gonçalo
RIO DE JANEIRO
Tel: +55 21 3147 3850
Fax: +55 21 3147 3861

CYPRUS

Jotun Cyprus Ltd.
56 Theodorou Potamianou
Aphrodite Court, 1st Floor
4155, Kato Polemidia
LIMASSOL
Tel: +357 25 374455 / 374440 / 374477
Fax: +357 25 374400

P.R. of CHINA

Jotun Coatings (Zhangjiagang) Co. Ltd.
Jotun COSCO Marine Coatings
(Qingdao) Co. Ltd.
Floor 20, Jiu Shi Mansions,
No. 28 Zhong Shan Road (South)
SHANGHAI 200010
Tel: +86 21 6333 080 0
Fax: +86 21 6326 968 6

Jotun Coatings (Zhangjiagang) Co. Ltd.
Jotun COSCO Marine Coatings
(Qingdao) Co. Ltd.
Room 709-12, Goldlion Digital Network
Centre, 138 Tiyu Road East,
GUANGZHOU, 510620
Tel: +86 20 38 78 07 49
Fax: +86 20 38 78 19 66

HONG KONG

Jotun COSCO Marine Coatings (H.K.) Ltd
Room 902, 9/F,
101 King's Road, North Point
HONG KONG
Tel: +852 2527 6466
Fax: +852 2861 1307

DENMARK

Jotun Danmark A/S Jotun Coatings
Columbusvej 5, 2860 Søborg,
COPENHAGEN
Tel: +45 4492 9400
Fax: +45 4492 9401

EGYPT

El Mohandes Jotun S.A.E.
Plot 193, Second District,
City Center, Fifth Settlement,
NEW CAIRO
Tel: +202 2614 9999
Fax: +202 2614 9998

FINLAND

Nor-Maali Oy
Vanhatie 20, 15240 LAHTI
Tel: +358 3 874 650
Fax: +358 3 874 6550

FRANCE

Jotun France S.A.
22/24 Rue du President Wilson, Bat.A
92300 LEVALLOIS PERRET
Tel: +33 1 4519 3882
Fax: +33 1 4519 3894

GERMANY

Jotun (Deutschland) GmbH
Haferweg 38
22769 HAMBURG
Tel: +49 40 851 960
Fax: +49 40 856 234

GREAT BRITAIN

Jotun Paints (Europe) Ltd.
Stather Road, Flixborough,
SCUNTHORPE DN15 8RR
Tel: +44 1724 400 000
Fax: +44 1724 400 100

GREECE

Jotun Hellas Ltd.
33, Zeppou Street,
Glyfada
ATHENS 16675
Tel: +30 210 42 85 980-82
+30 210 42 86 035-37
Fax: +30 210 42 85 983/
+30 210 42 87 237

INDIA

Jotun India Pvt Ltd.
502, 5th Floor,
Boston House,
Suren Road,
Behind Cinemax Theatre,
Andheri East,
Mumbai - 400 093
Tel: +91 22 2822 4600
+91 22 2820 5900 (+fax)
Fax: +91 22 2820 5900

INDONESIA

P.T. Jotun Indonesia
Kawasan Industri MM2100
Blok KK-1, Cikarang Barat
Bekasi 17520
Tel: +62 21 8998 2657
Fax: +62 21 8998 2658

IRELAND

Jotun (Ireland) Ltd.,
Unit K7, Marina Commercial Park,
Centre Park Road, CORK
Tel: +353 214 965955
Fax: +353 214 965992

ITALY

Jotun Italia S.P.A.
Via Petronio, 8, Zona Ind. Noghère
34147 - MUGLIA (TRIESTE)
Tel: +39 040 23 98204
Fax: +39 040 23 98222

JAPAN

NKM Coatings Co., Ltd.
12-1, Minamirokugo 3-chome,
Ota-ku,
TOKYO 144-0045
Tel: +81 3 6758 2212
Fax: +81 3 6758 2213

KOREA (SOUTH)

Chokwang-Jotun Ltd.
30th Block Jisa Science Park,
1205 Jisa-dong, Gangseo-gu,
BUSAN 618-230
Tel: +82 517 976 000
Fax: +82 517 117 735

LIBYA

Jotun Libya J.S.Co
Almuntaz Co. S.A. (Jotun).
Alseka Street
P.O. Box 6850
TRIPOLI
Tel: +218 214777811
Fax: +218 214780718

MALAYSIA

Jotun (Malaysia) Sdn. Bhd.
Lot 7 Persiaran Perusahaan,
Section 23, P.O. Box 7050
40700 SHAH ALAM
Tel: +60 351 235 500
Fax: +60 351 235 632

THE NETHERLANDS

Jotun B.V.
Postbus 208
3200 AE SPIJKENISSE
Visiting address:
Curieweg 11b, 3208 KJ Spijkenisse
ROTTERDAM
Tel: +31 181 678 300
Fax: +31 181 617 899

NORWAY

Jotun A/S
P.O. Box 2021,
3202 SANDEFJORD
Visiting address:
Hystadveien 167, 3209 Sandefjord
Tel: +47 33 45 70 00
Fax: +47 33 45 79 00

OMAN

Jotun Paints Co. LLC
Rusayl Ind. Estate, Road No.10
P.O. Box 672 Code 111, MUSCAT
Tel: +968 2444 6100
Fax: +968 2444 6105

PAKISTAN

Jotun Pakistan (Pvt.) Ltd.
2KM Defence Road, Off 9KM Raiwind
Road, Adjacent Valencia Homes Gate
LAHORE 544770
Tel: +92 423 532 350 0-3
Fax: +92 423 532 1387

PHILIPPINES

Jotun (Philippines) Inc.
846 West Service Road, Km.18
South Super Highway
Paranaque City,
METRO MANILA 1714
Tel: +63 2239 1032-34
Fax: +63 2822 0760

POLAND

Jotun Polska Sp.zo.o.
ul. Magnacka 15,
80-180 GDAŃSK KOWALE
Tel: +48 58 555 1515
Fax: +48 58 781 9692

RUSSIA

Jotun Paints O.O.O.
Varshavskaya Str., 23/2, Office 53
196128 ST. PETERSBURG
Tel: +7 812 640 00 80
Fax: +7 812 640 00 81

SAUDI ARABIA

Jotun Saudia Co. Ltd.
Jeddah Industrial City, Phase 3,
P.O. Box 34698, JEDDAH 21478
Tel: +966 2635 0535 / 2636 1271
Fax: +966 2636 2483

SINGAPORE

Jotun (Singapore) Pte. Ltd.
37 Tuas View Crescent
Singapore 637236
Tel: +65 650 882 88
Fax: +65 6265 7484

SOUTH AFRICA

Jotun Paints South Africa (PTY) Ltd.
Wimbledon Road, P.O.Box 187
BLACKHEATH 7581
Tel: +27 21 905 1070
Fax: +27 21 905 1652

SPAIN

Jotun Iberica S.A.
Poligon Santa Rita,
Calle Estática no. 3,
08755 Castellbisbal,
BARCELONA
Tel: +34 937 711 800
Fax: +34 937 711 801

SWEDEN

Jotun Sverige AB
P.O. Box 151, Klangfärgsgatan 13,
421 22 VÄSTRA FRÖLUNDA
Tel: +46 3169 6300
Fax: +46 3169 6397

THAILAND

Jotun Thailand Ltd
Amata Nakom Ind. Estate (BIPIL)
700/353 Moo 6 Tumbol
Donhualoh, Amphur Muang
CHONBURI 2000
Tel: +66 2 022 9888
Fax: +66 38 214 373/375

TURKEY

Jotun Boya San. ve Ticaret. A.S.
Balabandere Caddesi Hilpark Suites Sitesi No.10,
İstinye 34460 Sarıyer
İSTANBUL
Tel: +90 21 2279 7878
Fax: +90 21 2279 2549

U. A. E.

Abu Dhabi
Jotun Abu Dhabi (LLC)
P.O. Box 3714, Mussafah
ABU DHABI
Tel: +971 2691 0700
Fax: +971 2551 0232

Dubai

Jotun U.A.E. Ltd. (LLC)
P.O. Box 3671,
Al Quoz Industrial Area
DUBAI
Tel: +971 4339 5000
Fax: +971 4338 0666

USA

Jotun Paints Inc.
9203 Highway 23, P.O. Box 159,
Belle Chasse, LA 70037
Tel: +1 713 860 8241
Fax: +1 713 860 8242

VIETNAM

Jotun Paints (Vietnam) Co. Ltd.
Song Than Industrial. Zone,
No.1 Street 10,
Di An District, Binh Duong Province
Tel: +84 650 3742206
Fax: +84 650 374 2205

YEMEN

Jotun Yemen Paints Co. Ltd
P.O. Box 70183, Al Alam
ADEN
Tel: +967 2820 546-9
Fax: +967 2249 362

Jotun A/S

P.O. Box 2021,
N-3202 Sandefjord, Norway
Tel: +47 33 45 70 00
jotun.com



Jotun Protects Property