



**JOTUN**

# *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.	
Epoxy phenolic	Tankguard Special	All-round use and spot market trading of commodity chemicals.	
Epoxy	Tankguard HB Classic	Crude oil, petroleum products and simple commodity chemicals.	
	Tankguard CPC	Crude oil, petroleum products and simple commodity chemicals.	
Zinc silicate*	Tankguard Zinc	Selected, niche chemicals including methanol.	

\* Waterborne version available on request



Commodity chemicals



Vegetable / palm oil



Speciality chemicals



Crude oil / petroleum products

# Future proofing tanks by choosing the correct coating

## 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 pattern or spot market

Depending on the trading pattern of a tanker different properties are required from the tank coating.

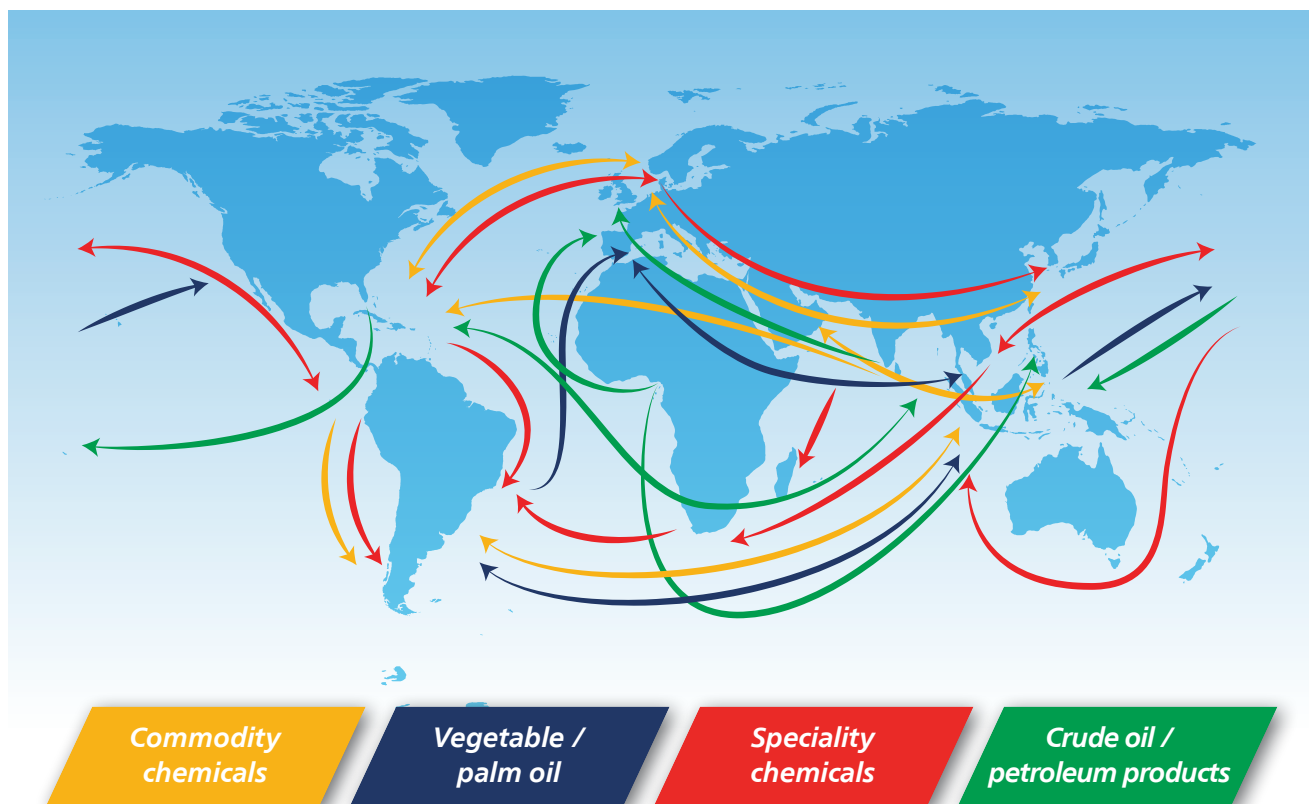
When operating with fixed trade patterns one could select a tank coating that has a chemical resistance more tailored towards the currently transported cargoes. Should one wish to future proof against cargo compositions changing, for instance varying levels of free fatty acids in palm oils or additives in biofuels, upgrading to a heavy duty epoxy novolac coating increases the cargo flexibility of the tank.

If trading on the spot market then attention to current trends is

crucial. Even having different coatings in different tanks on the same vessel could prove to be advantageous to maximise cargo capabilities.

Jotun can offer you advice on selecting the tank coating systems tailored to suit your transportation requirements.

Information on specific cargoes that can be carried with Jotun's tank coatings can be found on [www.jotunprl.com](http://www.jotunprl.com)



# Recommended tank coatings

coating solutions for e

## **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.



r every cargo

## **Tankguard** | SPECIAL ULTRA

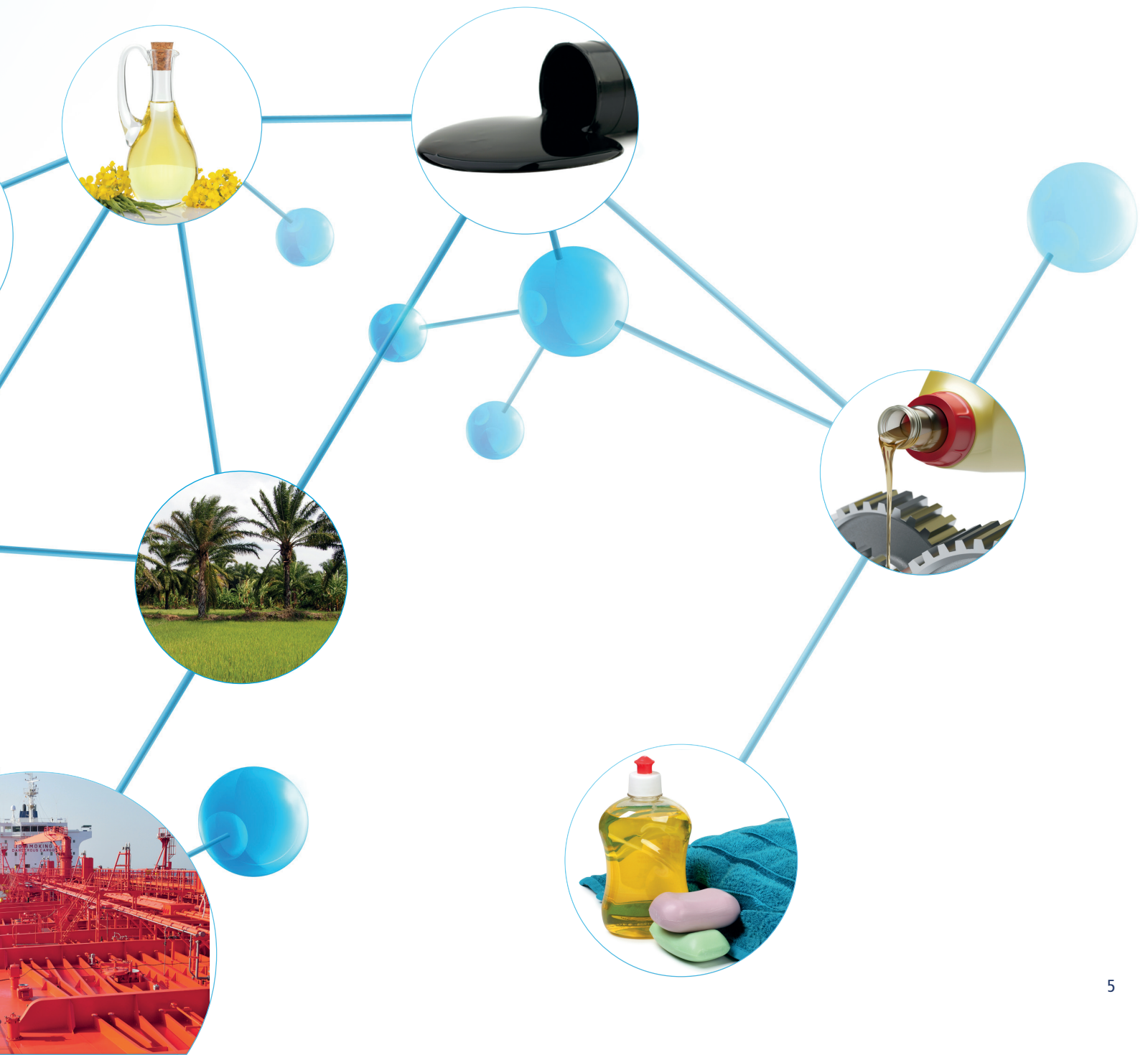
Epoxy novolac tank coating to withstand the most challenging cargoes and cargo sequences.

The shortest recovery time between cargoes on the market.

## **Tankguard** | ZINC

Zinc silicate tank coating giving the best resistance to alcohols and solvents.

Excellent mud cracking resistance.



## *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.

## UNIFORM STANDARD ACROSS THE GLOBE

- Easy to exchange trained technical personnel across national borders and multi-national projects.
- Compulsory training for all technical and sales personnel in marine and protective segments. Most of our coating advisors and technical personnel have FROSIO and/or NACE certification.
- Same competence in maintaining company standard procedures globally.



## Jotun GreenSteps

### FOR A MORE COLOURFUL WORLD, WE ALL NEED TO BE A LITTLE GREENER

Jotun recognises the responsibility it has to the environment and has established its own GreenSteps programme.

Through the GreenSteps programme we address market demand for more sustainable coatings solutions.



# 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](http://jotun.com)

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