



Marine Paints & Coatings
Schiffsfarben

Industrial Paints
Industrielacke

**Consumer Products &
Architectural Paints**
**DIY – Produkte &
Malerfarben**

 **wilckens**[®]





Head Office: Glückstadt, Germany

Established: 1845 by Mars Wilckens
→ 160 years of history
→ Family-owned since its foundation
(today 5th generation)

Employees: 210 (as of End of December 2008)

Group Sales: 57 Mio Euro (Year 2008)





Wilckens[®] looks back over a long history which started in 1845.

Wilckens[®] is dedicated to the development and manufacture of paint products and has become since its foundation one of Germany's most important independent producers of paints, varnishes and coating systems.

Wilckens[®] is Germany's largest producer of marine paints.

The broad product range covers

- the entire spectrum of paints and varnishes for the do-it-yourself market (consumer products)
- complex coating systems for industrial applications
- modern paint systems for the shipping industry
- modern, advanced product – development and production facilities.

Competence brought to the market, the ability to react more flexibly, with comprehensive know-how and a worldwide service network. That is the foundation. **Let us get on with it!**



Our philosophy

- Continuity
- Reliability
- Quality
- Flexibility

As a long lasting family business for more than 160 years and 5 generations we stand for continuity and reliability in our daily work.

...in our relation towards clients and business partners

...in our striving for quality and innovation

...in our efforts to react flexible to changing markets and]
changing requests and needs of our clients.



Mars Wilckens
1805 - 1889



Hermann Marcus Wilckens
1832 - 1887



Hermann Marcus Wilckens
1854 - 1923



Max Wilckens
1899 - 1977



- Quality
- Certified according to EN ISO 9001
- Environmental protection
- Sustainable development and production



Paints and coating systems are subjected to the most varying weather and climat conditions everyday.

Our experts in our research and development departments work to improve products as regards to quality, cost-effectiveness and environmental aspects.

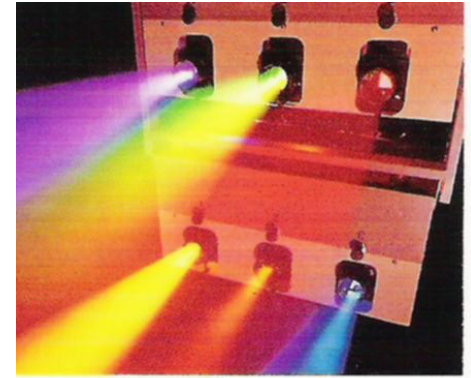
Today's succesful products have to be not only more durable and less expensive but must offer additional high degrees of environmental compatibility.

Our specific product range offers excellent alternatives in virtually all application areas.



- Quality System according to EN ISO 9001
 - certified by BG Prüzert
 - certified by Russian Maritime Register of Shipping

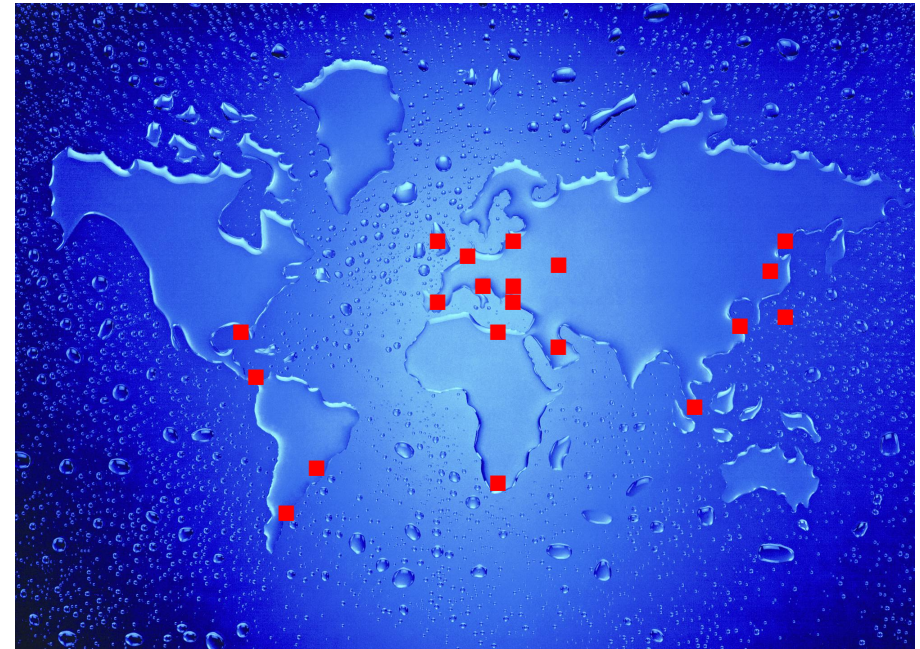
- Quality award by Deutsche Bundesbahn (German Railways) being A-Supplier every year since 1999





- Worldwide availability
- Service around the globe

We offer an excellent supply service through production facilities and stock points in the most important economic centers of the world.



Our logistic partners also take the product to the right place at the right time.



Our technical experts support our customers in the selection of the right product and in its of the products.

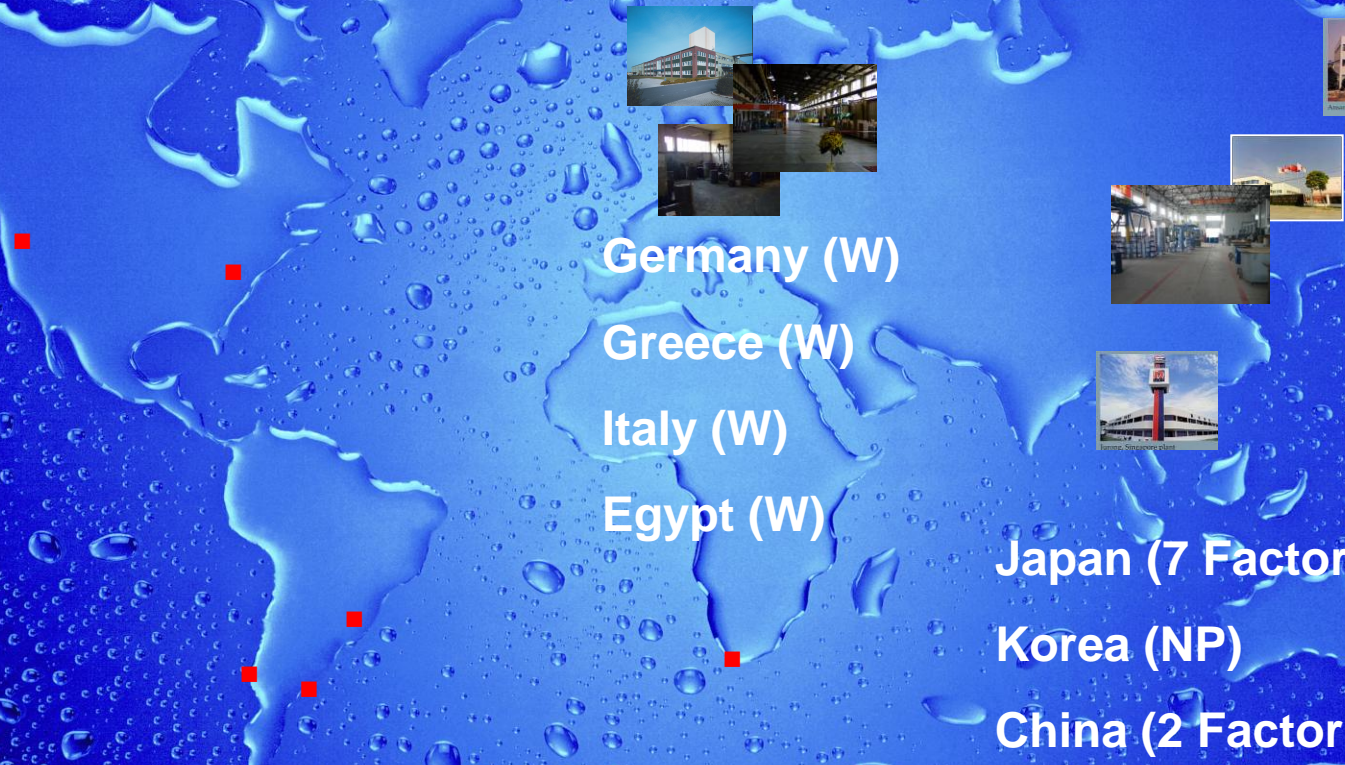
Our production facilities, product warehouses and service points in many countries around the globe are being steadily expanded.

... It is nice to have close friends



■ **Production facilities**

In collaboration with Nippon Paint Marine Coatings, Kobe, Japan, we can offer a number of excellent and state of the Art production facilities both in Europe and Asia to meet everyday customers' requirements. Both in North- and Southamerica our partner companies complete worldwide production.



Germany (W)

Greece (W)

Italy (W)

Egypt (W)

Japan (7 Factories) (NP)

Korea (NP)

China (2 Factories) (NP/W)

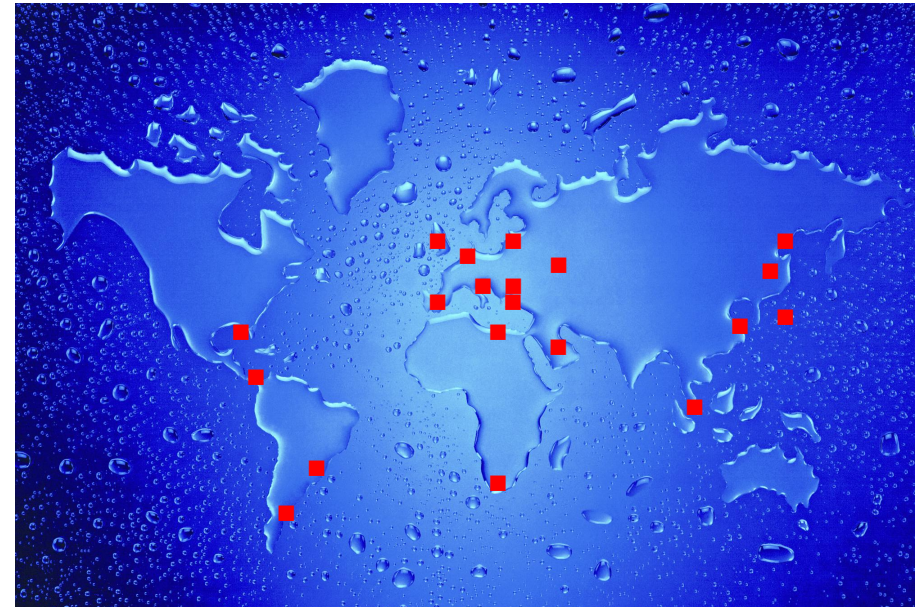
Singapore (NP)

Phillipines (NP)



■ SERVICE AROUND THE GLOBE

For each of our client's projects our experts provide extensive service around the globe. Whether in planning a project, in the realisation and the application of our materials or in the after sales service, we are close to our clients.



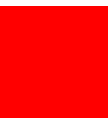
Paint Specification No. DEU2 2304 - 2

Object													Date			
Newbuilding Project 837.4 M1 (Nb 873)													27.02.2006			
Customer													Page No.			
Nimmrich & Prahm Reederei GmbH & Co.KG													1 / 14			
Application Place																
Rousse Shipyard, Bulgaria																
Pos.	S/C T/U F/C	Area m²	Product Name	Colour	Product Code			Solids Volume %	dft µm	wft µm	Coverage theor. m²/ltr	Loss Factor %	Coverage practical m²/ltr	Quantity practical litre	Overcoating Time	
					Base	Hardener	Thinner								minimum	maximum
1		1000	Flat bottom and boottop													
1	F/C	1000	EPISIST 2000	silver	CEP 9106	ERX 1655	VEP 47	75,0	200	267	3,75	40	2,25	444	12 hour(s)	14 day(s)
2	F/C	1000	WILKPOX VC	buff	EPV 1501	EPX 1703	VEP 47	52,0	50	96	10,40	40	6,24	160	12 hour(s)	6 month(s)
3	F/C	1000	ECOMAR AF 3000	oxide red	PRF 3311		VCC 20 M	59,0	150	254	3,53	40	2,36	424	5 hour(s)	
Surface Preparation													400			
Cleaning of welding seams, burnings, mechanical damages and corroded shop primer by blasting near white metal Sa 2½ or power tool cleaning at least St 3 acc. to ISO 8501-1. Sharp edges, weld spatter smooth: weld seams has to be removed, if necessary. Oil, grease, salts and dirt are removed by appropriate means (DIN EN ISO 12944-4).																
Remarks																
2		1500	Vertical sides Underwater hull below SLWL, Rudder, sea chests													
1	F/C	1500	EPISIST 2000	silver	CEP 9106	ERX 1655	VEP 47	75,0	200	267	3,75	40	2,25	667	12 hour(s)	14 day(s)
2	F/C	1500	WILKPOX VC	buff	EPV 1501	EPX 1703	VEP 47	52,0	50	96	10,40	40	6,24	240	12 hour(s)	6 month(s)
3	F/C	1500	ECOMAR AF 3000	dark red	PRF 3411		VCC 20 M	59,0	100	169	5,90	40	3,54	424	5 hour(s)	
4	F/C	1500	ECOMAR AF 3000	oxide red	PRF 3311		VCC 20 M	59,0	100	169	5,90	40	3,54	424	5 hour(s)	
Surface Preparation													450			
Cleaning of welding seams, burnings, mechanical damages and corroded shop primer by blasting near white metal Sa 2½ or power tool cleaning at least St 3 acc. to ISO 8501-1. Sharp edges, weld spatter smooth: weld seams has to be removed, if necessary. Oil, grease, salts and dirt are removed by appropriate means (DIN EN ISO 12944-4).																
Remarks																

Final decision has to be taken after technical inspection at site!

PRODUCT PROGRAM

- **Consumer Products & Architectural Paints**
- **Industrial Paints**
- **Marine & Protective Coatings**



■ Consumer Products & Architectural Paints

Wilckens offers a wide range of consumer products for the retail business:

Conventional Alkyd Paints

Dispersions

Sprays

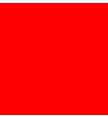
Creative wall design paints

Waterborn paints & varnishes

Floor Coatings

Wood protection & glazes

Yachtpaints



■ Consumer Products & Architectural Paints

Private Labels

In close cooperation with our clients **Wilckens** develop private labels and product assortments tailored to the specific market requirements.

Wilckens supports its clients on all marketing levels, sales and product training and accompanying advertising programs, shelf design, shelf service and a day to day logistic chain.

That's what we call **Partnership**



RATIO



HORNBAACH
Es gibt immer was zu tun.



hela
Profi Zentrum



tedox
und das
für kleines Geld



MAX BAHR
BAUMARKT SEIT 1879.

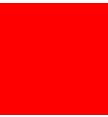


BAUMARKT



BAUHAUS
Wenn's gut werden muss.





■ Consumer Products & Architectural Paints

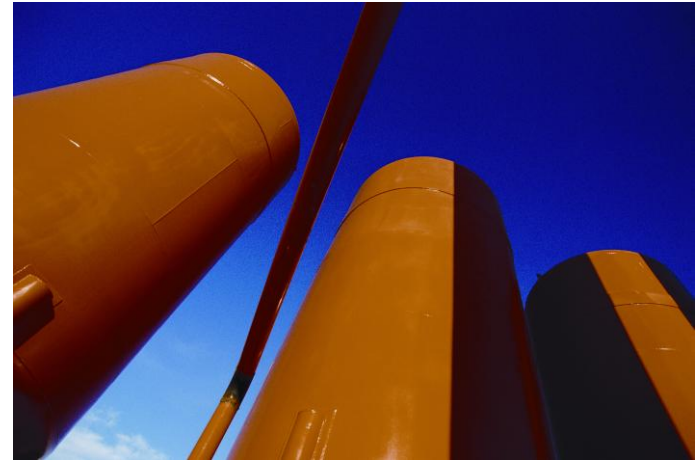
For the professional market of decorative paints a wide range of products and paint systems is available for professional use:

- *Paints for outside use (Facades)*
- *Floor coatings*
- *Parquett Laquers*
- *Special Systems for car decks / garages*
- *Paints & Varnishes for inside use*



■ Industrial Coatings

Wilckens has been a specialist for industrial coatings since its foundation.



We provide a wide range of products and systems, e.g. standard anticorrosion paints

- heavy duty coating systems for all industries
- tailor made systems for industrial clients

Our range of products provide the best protection against corrosion and gives the painted objects a nice look:

- ***Alkyd, Chlorinated Rubber, Vinyl, Acrylic, Epoxy, Polyurethane Systems***
- ***Solvent based and waterborn systems***
- ***Solvent free epoxy systems***
- ***Anti abrasive coating systems***
- ***Heat resistant paints***
- ***One coat systems***



■ Industrial Coatings

Coating systems must always be suited to the building or structure. The following criteria must be taken into account:

- Atmospheric stress due to the geographical position (sun, salt ...)
- Chemical stress (vapours, chemicals)
- Stress caused by condensation / dew / water
- Thermal stress (exhaust gases, heat ...)
- Mechanical stress (bending and impact stress, abrasion).

Our experts have the experience to select the appropriate systems from a wide range of coating systems available. We provide assistance at all stages of our client's projects, from the planning and design through to professional performance.



■ Industrial Coatings

Wilckens can provide a wide range of references in different industries:

Railway & Transportation Industry

Agricultural Equipment Industry

Container Industry

**Coatings for atmospherically corrosion protection,
Tank linings and pipe coatings**

Harbour Installations

Off Shore Industry



■ Industrial Coatings

Wilckens can provide a wide range of references in different industries:

Railway & Transportation Industry

Wilckens has been for more than 30 years a major supplier to the German Railways and is listed as A-Supplier (Q1-Certification) since many years.





■ Industrial Coatings

Railway & Transportation Industry

Applied Systems:

- Solvent born One Coat Systems
- Water born One Coat Systems
- Solvent free Epoxy One Coat Systems
- Alkyd Wheel Set Systems (TIS – Technology*)
- Paints for Chassis
- Polyurethane Topcoats for passenger wagons



Give optimal protection against corrosion and atmospheric influences.

- up to 15 years protection against corrosion
- resistant against chemical and atmospheric impact
- abrasion resistant
- easy to clean



* TIS: Thermo Indicating Technology



■ Industrial Coatings

Railway & Transportation Industry

References:

- Deutsche Bundesbahn AG
- VTG
- Railion
- KVG
- Wacosa, Switzerland
- Ermewa, Switzerland
- Nacco, France
- RWE / Rheinbraun
- OWB (Austrian Railways)
- DEC – ZNTK, Ostroda, Poland
- Meva, Rumania
- Russian Railways
- Lithuanian Railways





■ Industrial Coatings

Railway & Transportation Industry

Transportation Industry

Fast drying, long lasting paint systems increase the profitability of our customers and the value of their production

References:

Readymix, Germany

Avermann, Germany, Poland

Graaf Transportsystems, Germany

Büter, Germany

Etc.



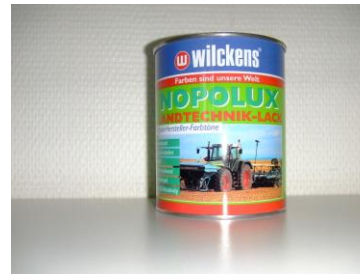


■ Industrial Coatings

Agricultural Equipment Manufacturers

Wilckens is a supplier of leading manufacturers of agricultural equipment.

High performance coatings designed to meet the tough physical and environmental needs of agricultural, military and plant equipment.



Nopolux® and *Tractol*® are *Wilckens*' famous brands for the ACE aftermarket business.



■ Industrial Coatings

Container Industry

Wilckens is a supplier of leading container companies in the world with state-of-the-art container systems, offering a wide range of systems such as Zinc rich epoxy primers, acrylic, chlorinated rubber, epoxy and polyurethane finishing coats, waterborn container systems etc.



References:

- Hapag Lloyd
- Hamburg Sud
- Lys Line
- Transamerica
- BNS Industries



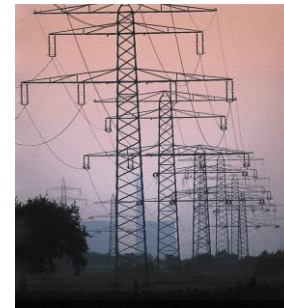
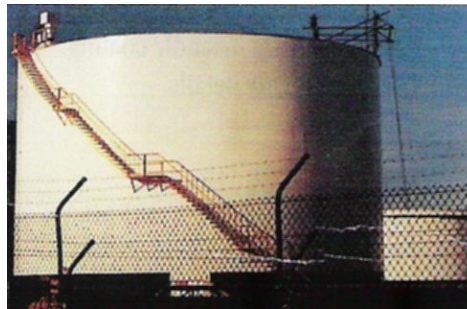


■ Industrial Coatings

Coatings for atmospherically corrosion protection,
Tank linings and pipe coatings

Corrosion protection is a serious investment, and should be taken seriously regarding longevity and optimal reliability. Industrial buildings, bridges and other infrastructure corrosion-protected with state-of-the art products means less maintenance and fewer downtimes.

With **Wilckens**®, there is a complete range of solutions for almost any corrosion problem, products tailored to protect constructions, buildings, tank farms and installations, made of steel or other metals: Reliable, efficient, and allowing freedom of design.





■ Industrial Coatings

Coatings for atmospherically corrosion protection,
Tank linings and pipe coatings

WILKOZINC PRIMER 1500 – Zinc Silicate zinc rich primer

EPOSIST 2000 – Surface tolerant, high built epoxy One Coat System

EPOSIST 3000 – Abrasive resistant, ultra high built One Coat System

EPOSIST 4000 – Abrasive resistant glass flake coating

EPOBARR – Solvent free, fiber reinforced Epoxy mastic

WILKOTAN – high and semi gloss acrylic polyurethane topcoats

PRODUCTS TO RELY ON!



■ Industrial Coatings

Coatings for atmospherically corrosion protection,
Tank linings and pipe coatings

References:

DEA Refinery, Heide, Germany

Limonos Tank Farm, Limassol, Cyprus

Klaipedos Naphta, Klaipeda, Lithuania

Gazprom, Moskow, Russia

RAO ES, Moskow, Russia

BP, London, England

Esso, Hamburg, Germany





■ Industrial Coatings

Harbour Installations

References:

EUROGATE, Germany

HHLA, Hamburg

NTB, Bremen

Maersk, Kopenhagen





■ Marine & Protective Coatings

Wilckens Marine & Protective Coatings is dedicated to serve German, European and International clients with state of the art high quality products for their needs in shipping, off-shore and industrial application.





■ Marine & Protective Coatings

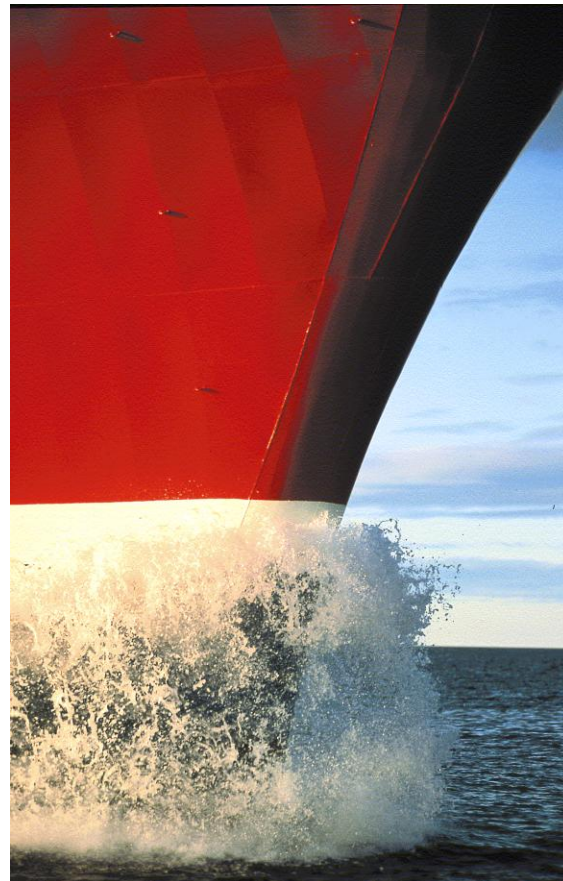
WE CAN MEET ANY REQUIREMENT IN THE BEST POSSIBLE MANNER

HOLDS

Latest developments of surface tolerant epoxies or traditional conventional painting systems

UNDERWATER

Underwater paint systems based on surface tolerant epoxies, chlorinated rubber or Vinyl-anticorrosives, top-coated with environmental friendly tin-free antifouling products. Special abrasive resistant systems for ice-going vessels.



BALLAST TANKS

Surface tolerant epoxy paint systems. Special quick drying and underwater curing high built epoxies. Advanced products for permanent solutions

DECKS-, TOPSIDE, SUPER-STRUCTURE

Alkyd, Chlorinated Rubber, Vinyl-Acryl, Epoxy- or Poly-Urethane paint systems according to the needs of each vessel.



■ Marine & Protective Coatings

HIGH SOPHISTICATED, PROVEN PAINT SYSTEMS YOU CAN RELY ON

WILKOTEX SYSTEMS

Cost effective alkyd-based conventional primers and topcoats, easy to apply, long lasting.

WILKOR SYSTEMS

High built underwater and above water anticorrosives and primers, resistant topcoats based on vinyl-acryl and/or chlorinated rubber.

WILKONYL SYSTEMS

Vinyl underwater anticorrosives with Excellent anticorrosive features, cost effective

WILKOZINC SYSTEMS

Long lasting corrosion protection through Zinc-rich and zinc-silicate primer.

WILKOPOX SYSTEMS

Epoxy primers, multipurpose epoxy primers High built epoxy primers and anticorrosives, Epoxy Topcoats

WILKOTAN SYSTEMS

PU-Primers and Topcoats with very good gloss retention and excellent resistance to weather, Chemicals, UV, etc.

WILKOHYD SYSTEMS

Waterborn primers and topcoats (Acrylics, Epoxy, PU,...)



■ Marine & Protective Coatings

HIGH SOPHISTICATED, PROVEN PAINT SYSTEMS YOU CAN RELY ON

EPOBARR

- Special product for heavy corroded and pitted areas
- Filmthickness up to 3.000 µm
- Low surface preparation
- Adhesion to dry and damp surfaces
- Solvent free
- Service life up to 15 years



EPOSIST SERIES (2000, 3000, 400 UW, DX)

- high built and ultra high built surface tolerant epoxies
- designed for permanent solutions for ballast tanks, cargo holds, hatch coamings, decks etc.
- Low surface preparation
- Tar free / isocyanate free
- No / low solvent content
- cost effective over entire service period

■ Marine & Protective Coatings



ECOMAR AF SERIES

Advanced tin-free Antifouling Systems,

- Which meet all requirements of new IMO regulations.
- Certified by Seeberufsgenossenschaft as tin-free Antifouling system according to IMO regulations.
- Designed for Newbuildings and repair and proven for years in daily service worldwide.

EPOSIST 4000

- Solvent free, abrasion resistant ice coating
- sprayable with normal airless equipment



■ Marine & Protective Coatings

In collaboration with Nippon Paint, Japan, we market innovative product concepts to our European and International clients.



NOA Serie

The revolutionary and unique paint system with patented Self Indicating (S.I.) Technology:

NOA 10 F – for Newbuildings

NOA 10 M – for Maintenance & Repair

NOA 60 HS – for Ballast Water tanks

NOA FWT SF – for potable water tanks

NOA PC – for chemical and product carrier

Ecoloflex Series

- most modern SPC Antifoulings
- for long service periods of up to 60 months.
- proven for many years with best references

LF - SEA

Patented low friction AF based on Ecoloflex technology.

ECOSILK

Biocide free non stick coating on Silikone basis.



■ Marine & Protective Coatings

proven paint systems for many vessels worldwide

COMMERCIAL VESSELS

Whether newbuilding or repair, Wilckens gives perfect solutions for long lasting, good looking paint jobs.



- Container vessels
- Bulker
- Ro/Ro vessels
- Passanger vessels / Cruise liners
- Offshore installations
- Tanker



■ Marine & Protective Coatings

NAVY SUPPLIES

Wilckens can provide a wide range of references in the supply of Navy and coast guard vessels worldwide:

- **Greek Navy (Hellenic Navy Supply Center) (Repair & Newbuilding)**
- **Russian Navy (Repair)**
- **Bulgarian Coast Guards (Newbuilding)**
- **German Navy (Repair)**
- **Egyptian Navy (Repair)**



Coatings?

*We make
it simple!*

CARGO HOLDS



UNDERWATER

BALLAST TANKS

YACHT PAINTS

SPECIAL COATINGS

THANK



wilckens[®]

Marine & Protective Coatings

YOU!