

ENERGIZING THE FUTURE

WOLFTANK
GROUP

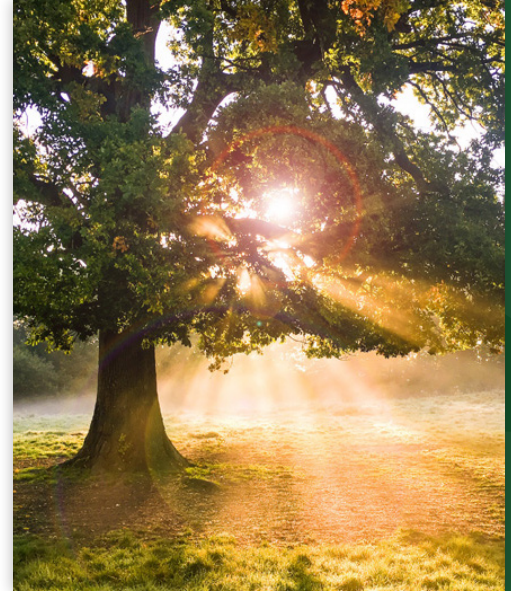
**HIGH PERFORMANCE LININGS
AND COATINGS**



ABOUT WOLFTANK GROUP

Wolftank Group is a global technology leader in energy and environmental solutions with over 70 years of experience. Serving customers in more than 20 countries, the Group provides advanced solutions for decarbonizing transportation and building zero-emission mobility infrastructures.

Key offerings include turnkey modular hydrogen and LNG refueling facilities, industrial coatings that provide unparalleled protection for tanks and pipelines in harsh environments, comprehensive environmental soil and groundwater remediation, and recycling services. Wolftank Group operates subsidiaries in eight countries across three continents.





AUSTRIA

- WolfTank Group (Headquarter)
- WolfTank Austria
- EDC-Anlagentechnik

CHINA

- WolfTank Shanghai

FRANCE

- WolfTank France

GERMANY

- WolfTank Deutschland

ITALY

- WolfTank DGM
- Rovereta
- Mares
- Petroltecnic

SPAIN:

- WolfTank Iberia

USA:

- WolfTank USA

OUR TRACK RECORD AT A GLANCE

CERTIFIED SOLUTIONS WORLDWIDE

31,000+

commercial tank
refurbishments
(repair and/or
upgrade to double
wall/floor)

51,500+

commercial tank
cleaning operations

5,200,000+ m²

coating with
EPOFLEX® products

1,000,000+ m²

refurbished to
double wall/floor
with the DOPA®
system

3,100+

leak detection
systems for double-
walled tanks and
piping manufactured
and installed (of
which 1,000 were
remotely monitored)

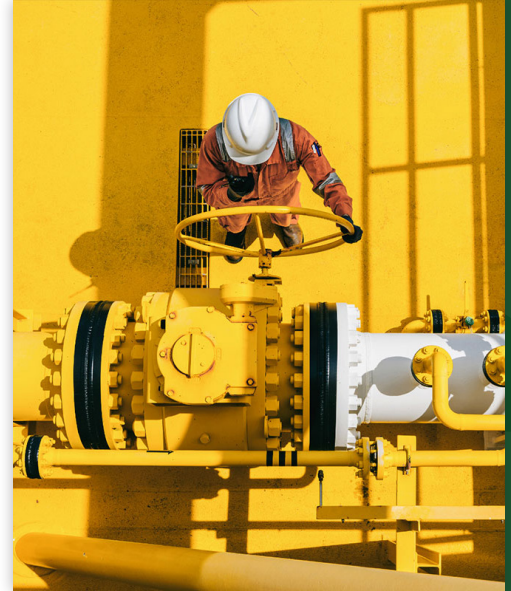
Aluminium nods used in
the DOPA® application



INDUSTRIAL COATINGS AND MAINTENANCE

Liquid storage requires highquality systems to ensure the integrity of the asset and the protection of the surrounding soil and water. With longstanding experience, Wofltank Group is your reliable partner in the protection and maintenance of tanks, sumps and pipelines.

Our extensive expertise in petrochemical applications for extremely demanding conditions, such as highly corrosive environments, allows us to offer a broad portfolio full of solutions adapted to each customer's needs.



OUR COMMITMENT

We are dedicated to high-quality refurbishment of industrial assets as the most durable and cost-effective solution for our customers. Moreover, our focus on sustainability is reflected in a range of products and services designed to help keep resources in use, without the need to extract new raw materials to replace old facilities.

BROAD PORTFOLIO

Our wide portfolio of industrial coating technologies is the result of years of R&D. It includes solvent-free and non-flammable resins; no-man-entry solutions; special coatings for corrosion protection; advanced leak protection systems; sealing products; impregnations and many other solutions to help you keep your facilities in good condition without replacing them.

STATE-OF-THE-ART SOLUTIONS

Our processes are certified to ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. In addition, our resin production processes are monitored by TÜV Süd, which also tests the mechanical, chemical and thermal properties of our DOPA® and EPOFLEX® technologies to ensure the highest quality standards for our customers.

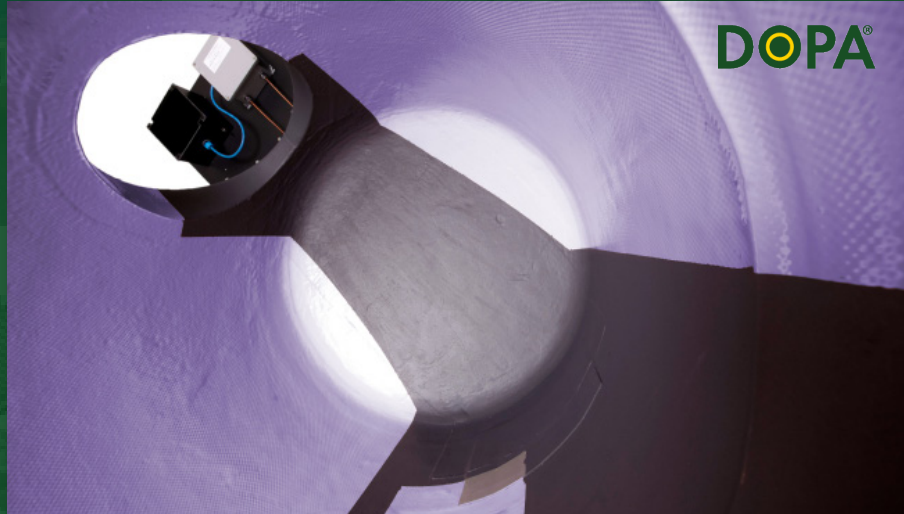


OUR SOLUTIONS FOR GAS STATIONS

- **STRUCTURAL SINGLE-WALL TANK LINING SYSTEM EPOFLEX®**
- **DOUBLE WALL TANK LINING DOPA® SYSTEM**
- **SUMP REHABILITATION AND SEALING DOM**
- **NO MAN ENTRY TANK CLEANING TCR®**
- **FORECOURT LINING SYSTEMS**



With our structural tank reinforcement DOPA® lining system, we offer the ideal solution for converting single-wall to double-wall tanks used to store potentially hazardous liquids. It ensures the highest level of protection by using our proprietary continuous vacuum monitoring of the interstitial space. Furthermore, our proprietary degassing and cleaning technologies ensure safe tank operation.



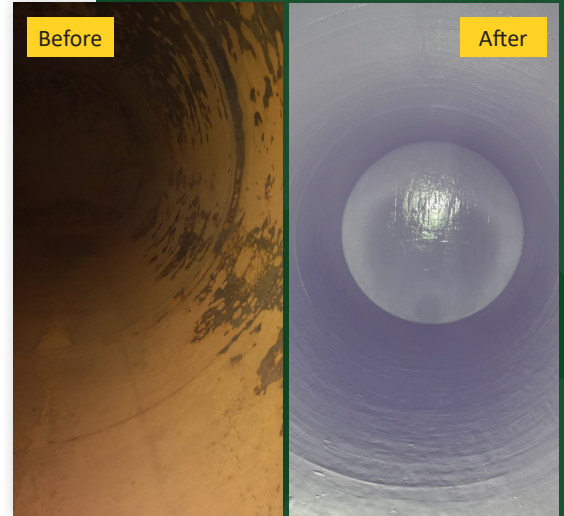
DOPA®

COATINGS MAKING TANKS READY FOR E-FUELS, SUCH AS HVO, E 100 AND SAFE

Wolftank Group offers environmentally friendly solutions and develops sustainable practices while providing exceptional protection of fuel storage infrastructure for both traditional fuels and new energies.

New trends are driving gas stations to invest in the future by adding new energy sources to their offer, such as electricity, LNG, hydrogen or biofuels. Wolftank Group ensures their competitiveness by offering state-of-the-art solutions also for these new energies, including technologies that are extremely resistant to the high corrosion caused, for example, by the most aggressive biofuels, such as pure ethanol.

Wolftank makes these advanced solutions available to companies and organizations around the world, ensuring that fuel storage infrastructures can be protected and maintained efficiently and sustainably, regardless of fuel type, facility size or location.



TRAINING PROFESSIONALS

Wolftank Group stands out for its commitment to training in the application of its technologies. In addition to comprehensive training, we offer ongoing support during the startup phase, as well as an additional on demand monitoring service.

As a result, of this commitment, the worldwide network of trained and qualified partners continue to grow.

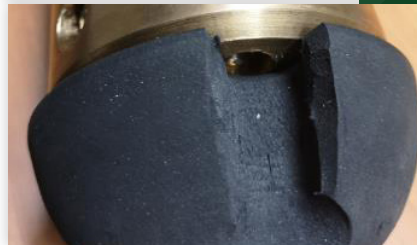
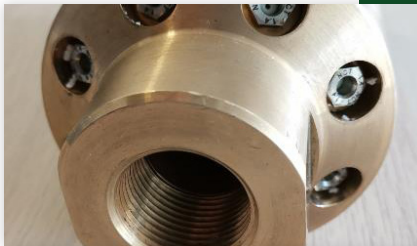


TCR® 6 NO-MAN-ENTRY TANK CLEANING

Experience the power of advanced technology:
washing without opening the manhole.

- Accessible through a 4" flange
- Ex zone 0 approved
- No-man-entry cleaning

NO-MAN-ENTRY TANK CLEANING



CLEANED UNDERGROUND STORAGE TANK

DOPA® LITE

QUICK AND EASY METHOD

The simplest method of double-wall conversion, complete with vacuum interstice space, without the need for expensive equipment or hot work and flammable materials.

- Double wall in 3-5 days
- No sandblasting required
- No expensive equipment required
- Uninterrupted site operations

**REHABILITATED 24/7
VACUUM MONITORED
DOUBLE WALL TANK**

DOPA® 6N

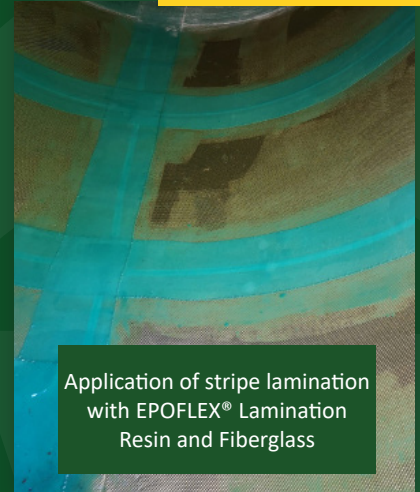
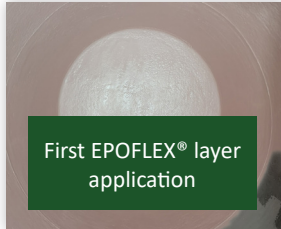
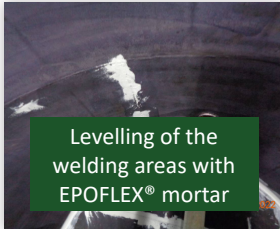
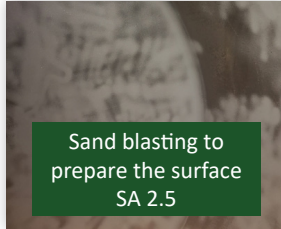
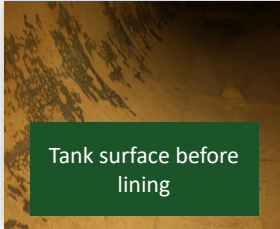
HIGH-END METHOD

The most advanced and comprehensive solution, providing the highest possible life extension - above the average for new tanks. Double-wall design with vacuum interstitial monitoring without the need for hot work and flammable tank lining materials.

- Lifetime extension of up to 30 years
- Only 5-7 days to go from single wall to double wall
- Makes tank substitution unnecessary
- Resistant to all ethanol grades
- Uninterrupted site operations with no loss of revenue

**REHABILITATED 24/7
VACUUM MONITORED AND
REINFORCED DOUBLE WALL TANK**

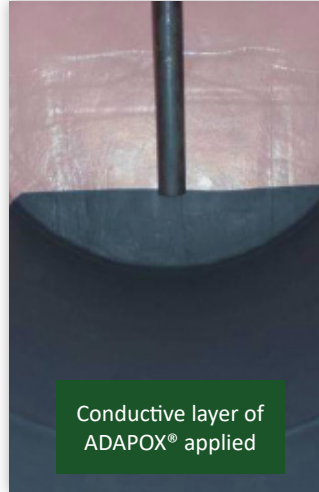
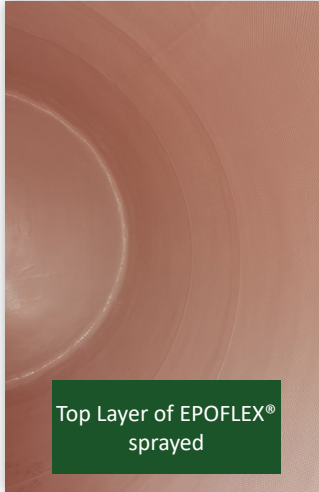
DOPA® 6N APPLICATION IN STEPS



HIGH-END METHODS

DOPA® 6N APPLICATION IN STEPS

HIGH-END METHODS



EPOFLEX® SINGLE WALL STRUCTURAL LINING (LAMINATION)

The simplest method of coating heavily corroded tanks, which does not require expensive equipment and avoids the use of hot work and flammable materials.

- No sandblasting required
- No expensive equipment required
- Uninterrupted site operations

**STRUCTURALLY REINFORCED TANK WITH
A SECOND LIFETIME**

HIGH-END METHODS



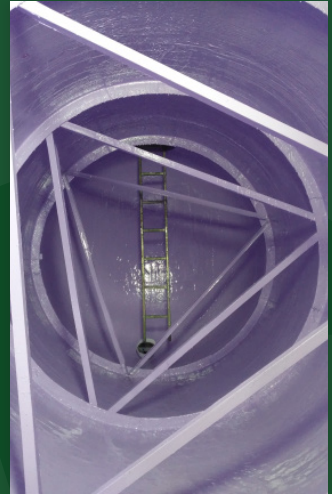
EPOFLEX® SINGLE WALL LINING

The proven method for structurally lining the sump to prevent water infiltration and soil contamination through the sump by restoring the functionality of the tank in the event of a local crack hole, or similar damage.

- Ready in 1-2 days
- Local repair of pit corrosion
- Resistant to all ethanol grades
- Uninterrupted site operations

**PROTECTED TANK WITH
SECOND LIFETIME**

HIGH-END METHODS



ADAPOX® DSF – REINFORCED TANK LINING

The thickest and strongest Glassfiber reinforcement for tanks with serious structural problems.

- Ready in 1-2 days by spraying
- Micro Glassfiber reinforcement
- Up to 40mm coating thickness
- Successfully used on tanks and pipes with severe deformations

GLASSFIBER REINFORCED TANK WALL

HIGH-END METHODS



EPOFLEX® DOM – SUMP SEALING & LINING

The proven method for structurally lining the sump to prevent water infiltration and soil contamination through the sump by restoring the functionality of the tank in the event of a local crack hole, or similar damage.

- Ready in 1-2 days
- No expensive equipment required
- No interruption of tank operation
- Applicable for steel, concrete and FRP

**STRUCTURALLY REINFORCED REHABILITATED
SUMP AND / OR RESTORED FUNCTIONALITY**

QUICK AND EASY METHODS



EXTRACT OF UNDERGROUND STORAGE TANK REFERENCES IN GAS STATIONS

Final Customer	Lining Systems supplied to our Installation Partner	No. of Tanks	Project Completion
Total, Italy	Underground tank lining and installation of leak detection systems	> 1000	2018
ExxonMobil, Italy	Underground tank lining and installation of leak detection systems	> 800	2017
ENI, Italy, Austria & France	Underground tank lining and installation of leak detection systems in the Retail Net	>1500	2016
TotalEnergies Africa (Kenya, Tanzania, Nigeria, Egypt, Lebanon)	Underground Tank Lining	> 1000	ongoing
Total, China	Underground tank lining and installation of leak detection systems	> 20	2019
INA Group, Croatia	Underground tank lining and installation of leak detection systems	> 100	ongoing

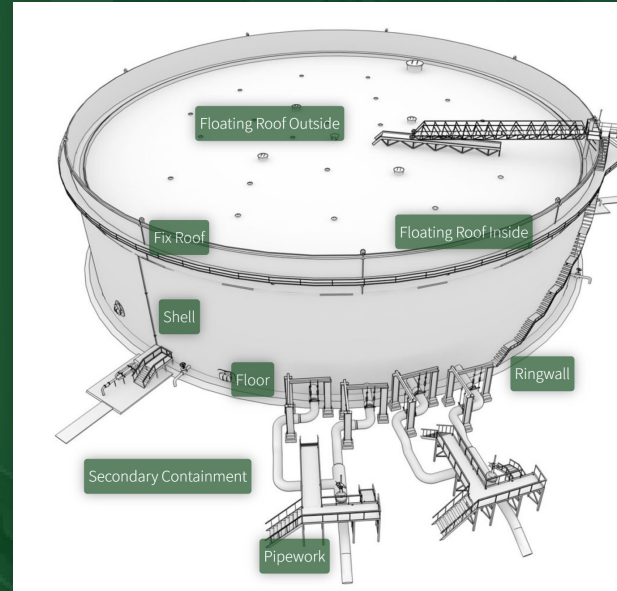
EXTRACT OF UNDERGROUND STORAGE TANK REFERENCES IN GAS STATIONS

Final Customer	Lining Systems supplied to our Installation Partner	No. of Tanks	Project Completion
BP, United Kingdom	DOPA® Double Wall Conversion of Underground Storage Tanks	> 300	2013
Shell, China	Underground tank lining and installation of leak detection systems	> 50	ongoing
Tamoil, Italy	Underground tank lining and installation of leak detection systems	> 800	ongoing
Sinopec, China	Underground tank lining and installation of leak detection systems	> 1500	ongoing
ExxonMobil, Egypt	DOPA® Double Wall Conversion of Underground Storage Tanks	> 3	2024

OUR SOLUTIONS FOR ABOVEGROUND STORAGE TANKS

Wolftank Group effectively protects the most critical parts of any bulk storage tank on demand by providing services such as:

- Conductive and non-conductive floor corrosion protection
- Mechanical reinforcement of steel floors with high-performance laminates
- External surface sealing for secondary containments
- Internal double floor lining with our DOPA® technology
- External corrosion protection for C1-C5 environments
- Ring basements reinforcement
- Maintenance operations, such as tank cleaning, sludge removal and spill management



Wolftank technician
applying DOPA® 6N in an
aboveground storage tank

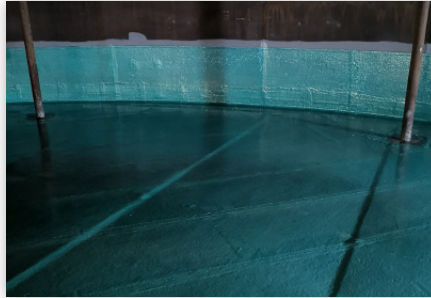


OUR SOLUTIONS FOR ABOVEGROUND STORAGE TANKS - AT A GLANCE



Tank lining (including concrete tanks)

Prevent corrosion and avoid degradation of the bottom and the walls of the tanks with our tank lining solutions.



Laminates

Reinforce the floor, block corrosion, and extend life with our laminates, the ideal solution for corroded steel floors.



Secondary containment basin

Ensure maintenance of areas surrounding aboveground storage tanks by sealing exposed surfaces, rehabilitating containment areas, and protecting ring foundations.

OUR SOLUTIONS FOR ABOVEGROUND STORAGE TANKS - AT A GLANCE



Ring wall

The Euromant® system rehabilitates tank ring walls without halting operations, sealing the concrete-steel junction to prevent corrosion, degradation, and water ingress.



Industrial flooring

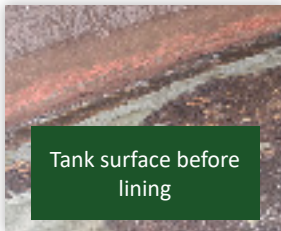
Achieve maximum adhesion with our superior industrial flooring solutions. Applicable in warehouses, offices, production facilities, parking areas, garages, laboratories and more.



External corrosion protection

Protect your assets from external agents, including atmospheric corrosion, water - if the structures are submerged - and soil - if they are buried.

ABOVEGROUND STORAGE TANKS > DOPA® DOUBLE FLOOR APPLICATION IN STEPS



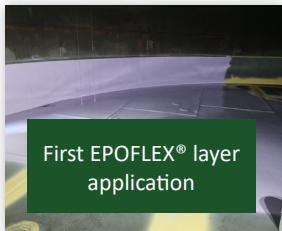
Tank surface before lining



Sand Blasting to prepare the surface SA 2.5



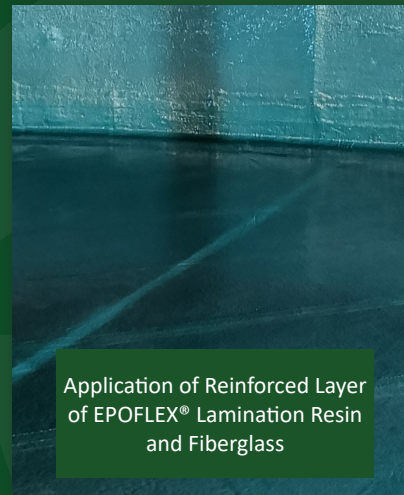
Levelling of the welding areas with EPOFLEX® mortar



First EPOFLEX® layer application

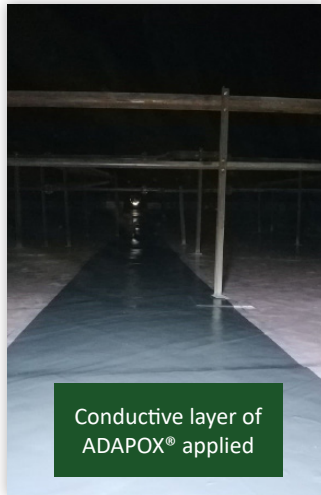


Creating interstitial space with the aluminium sheet



Application of Reinforced Layer of EPOFLEX® Lamination Resin and Fiberglass

ABOVEGROUND STORAGE TANKS > DOPA® DOUBLE FLOOR APPLICATION IN STEPS



ATMOSPHERIC CORROSION CATEGORIES WITH EXAMPLES OF TYPICAL ENVIRONMENTS

Corrosivity Category	Mass loss per unit surface/thickness loss (after first year of exposure)				Example of typical environments in a temperate climate (informative only)	
	Low Carbon steel		Zinc		External	Interior
	Mass Loss	Thickness Loss	Mass Loss	Thickness Loss		
C1 very low	≤ 10	≤ 1,3	≤ 0,7	≤ 0,1	-	Heated buildings with clean atmospheres e.g. offices, shops, schools.
C2 low	> 10 to 200	> 1,3 to 25	> 0,7 to 5	> 0,1 to 0,7	Atmospheres with low level pollution. Mostly rural areas.	Unheated buildings where condensation may occur e.g. depots, sports halls.
C3 medium	>200 to 400	> 25 to 50	> 5 to 15	> 0,7 to 2,1	Urban and industrial atmospheres, moderate sulfur dioxide pollution. Coastal areas with low salinity.	Production rooms with high humidity and high air pollution, e.g. food-processing plants, laundries, breweries.
C4 high	> 400 to 650	> 50 to 80	> 15 to 30	> 2,1 to 4,2	Industrial areas and coastal areas with moderate salinity.	Chemical plants, swimming pools, coastal ship- and boatyards.
C5-I	> 650 to 1.500	> 80 to 200	> 30 to 60	> 4,2 to 8,4	Industrial areas with humidity and aggressive atmospheres.	Buildings or areas with almost permanent condensation and with high pollution.
C5-M	> 650 to 1.500	> 80 to 200	> 30 to 60	> 4,2 to 8,4	Coastal and offshore areas with high salinity.	Buildings or areas with almost permanent condensation and with high pollution.

ATMOSPHERIC CORROSION CATEGORIES WITH EXAMPLES OF TYPICAL ENVIRONMENTS

	Primer	Intermediate Coating	Top Layer	Recommendations
Corrosion protection of new plants (30-300µm)	Adacor Aktiv Primer	Adacor Aktiv Glimmerfarbe	Adapur ACR	≤ C5
	Adacor Zink	Adapur WR Glimmer	Adapur WR	≤ C4
Refurbishment of plants (30-300µm)	Adacor Aktiv Primer	Adacor Aktiv Glimmerfarbe	Adapur ACR	≤ C5
	Adacor Grund	Adapur WR Glimmer	Adapur WR	≤ C5
Thixotropic solid coatings (1-4mm)	Epoflex 6N*			≤ C5
	Epoflex 6N*		Adapox L	≤ C5
	Epoflex DS*			≤ C5
High abrasion resistant thixotropic coatings (1-4mm)	Adapox DSF*			≤ C5

EXTRACT OF BULK STORAGE REFERENCES IN REFINERIES AND TANK FARMS

Final Customer	Lining Systems supplied to Installation Partner	Construction Years	Max. Tank Size	No. of Tanks
Sonatrach – Augusta Refinery, Italy	DOPA® Double Floor Transformation of Aboveground Storage Tanks and installation of vacuum detection system	2022-2024	37	3
Sinopec, China	EPOFLEX®6N Lamination corrosion protection system installation for Aboveground Storage Tanks	2021	28	13
CPC, Taiwan	DOPA® Double Floor Transformation for Leak Detection for Aboveground and installation of vacuum leak detection system	2022	15	1
SIE Electric Company Giglio Island, Italy	DOPA® Double Floor Lining and external (wall + roof) anti-corrosion lining (C5) with Adacor / Adapur	2021	4	3
RAM – Milazzo Refinery, Italy	DOPA® Double Floor Lining for various Storage Tanks	2019	24	9

EXTRACT OF BULK STORAGE REFERENCES IN REFINERIES AND TANK FARMS

Final Customer	Lining Systems supplied to Installation Partner	Construction Years	Max. Tank Size	No. of Tanks
Sinopec, China	DOPA® Double Floor Transformation for Leak Detection for Aboveground and installation of vacuum leak detection system	2018	28	2
Alma Petroli, Italy	EPOFLEX®6N Lamination corrosion protection system installation for Aboveground Storage Tanks	2014	18	3
PetroTank, Germany	EPOFLEX® Laminate Floor Lining for Storage Tank	2013	24	1
Oiltanking, Germany	ADALASTIC® Sealing of Ring Wall and Secondary Containment	2011	25	2
BP Auhafen Switzerland	DOPA® Double Floor Transformation of Aboveground Storage Tanks and installation of vacuum detection system	1999	8	5

EXTRACT OF BULK STORAGE REFERENCES IN REFINERIES AND TANK FARMS

Final Customer	Lining Systems supplied to Installation Partner	Construction Years	Max. Tank Size	No. of Tanks
Vopak AG, Switzerland	DOPA® Double Floor Transformation of Aboveground Storage Tanks and installation of vacuum detection system	2000	18	17
Total, Italy	EPOFLEX®6N Lamination corrosion protection system installation for Aboveground Storage Tanks	2006	23	2
Varo Energy, Switzerland	DOPA® Double Floor Transformation of Aboveground Storage Tanks and installation of vacuum detection system	1998	32	1
ENI, Italy	DOPA® Double Floor Transformation for Leak Detection for Aboveground and Underground Storage Tanks and installation of vacuum leak detection system.	2012	17	5
Alpe Adria Pipeline, Austria	Tank Roof Lining for Crude Oil Storage Tank	2017	43	3

EXTRACT OF BULK STORAGE REFERENCES IN REFINERIES AND TANK FARMS

Final Customer	Lining Systems supplied to Installation Partner	Construction Years	Max. Tank Size	No. of Tanks
Miro, Germany	EPOFLEX® Tank Floor Lining and Tank Inside Roof Lining for Storage Tank containing Ethanol	2010	32	2
Maxcom Petroli, Italy	DOPA® Double Floor Lining for various Storage Tanks	2017	28	42
Cepro, Czech Republic	Concrete Tanks Internally Lined with DOPA® on Floor and Shell	2012	44	7

SPECIAL APPLICATIONS FOR WATER AND FOOD INDUSTRY

Our solutions are designed to protect storage tanks for potable water, industrial water, seawater, and wastewater. They prevent contamination, ensure durability, and provide reliable protection for long-term use. Built for tough conditions, they meet the needs of various industries while keeping your operations running smoothly.



EPOFLEX® TW applied in
a water storage tank

EPOFLEX® TW - WATER STORAGE TANK PROTECTION

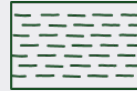
Protect storage structures containing:

- **Potable water:** Ensure the integrity and safety of drinking water storage by preventing contamination and preserving quality.
- **Industrial water:** Safeguard operational efficiency by maintaining the durability of industrial water storage facilities.
- **Seawater:** Resist the corrosive effects of saltwater with robust protection tailored for marine environments.
- **Wastewater:** Prevent leakage and contamination, ensuring compliance with environmental and safety regulations.

 **BISPHENOL A-FREE**

 **SOLVENT-FREE**

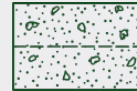
Storage types
we protect:



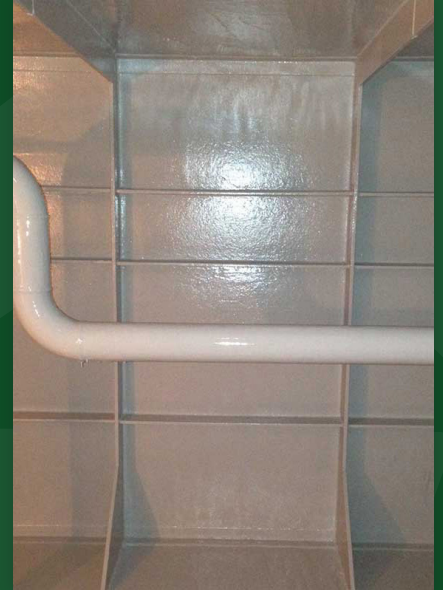
Fiberglass



Steel



Concrete



	EPOFLEX® Single Wall Lining	EPOFLEX® Single Wall Structural Lining (Lamination)
Initial tank condition	air tight, slight corrosion	leaking, highly corroded, with shape problems
Purpose	- to rehabilitate and extend the lifetime of the tank for 5+ years - to make the surface suitable for new aggressive types of fuels (biofuels and methanol or ethanol storage liquids, solvents and even acetates)	- to structurally reinforce the integrity of the tank - to rehabilitate and extend the lifetime of the tank for 20+ years - to make the surface suitable for new aggressive types of fuels (biofuels and Methanol or Ethanol storage liquids, solvents and even acetates)
Key advantages	- fast - suitable for wide range of stored products	- durable - extraordinary lifetime extension - total rehabilitation of compromised tank
Estimated number of days needed to line a 30m3 tank	2-3	3-5

DOPA® Double Wall Structural Lining

- leaking, highly corroded, with shape problems, failed double wall tanks (inner or outer wall)
- to transfer a tank into double wall tank with 24/7 vacuum leak monitoring system
- to structurally reinforce the integrity of the tank
- to rehabilitate and extend the lifetime of the tank for 20+ years
- to make the surface suitable for new aggressive types of fuels (biofuels and methanol or ethanol storage liquids, solvents and even acetates)
- conversion of single wall tank into double wall tank in situ in several days
- total rehabilitation of compromised tank
- extraordinary lifetime extension

5-7

DOPA® Lite Double Wall Lining

- air tight, slight corrosion, failed outer wall of double wall tank
- to transfer a tank into double wall tank with 24/7 vacuum leak monitoring system
- to rehabilitate and extend the lifetime of the tank for 20+ years
- to make the surface suitable for new aggressive types of fuels (biofuels and methanol or ethanol storage liquids, solvents and even acetates)
- fast
- no need of grid blasting for surface preparation

3-5



PERFOR



PERFORMANCE

ENERGIZING THE FUTURE

HIGH PERFORMANCE LININGS AND COATINGS

Wolftank Group AG

Leopoldstraße 2, A-6020 Innsbruck

Tel: +43 (0)512 345726

ISIN: AT0000A25NJ6

WKN: A2PBHR

info@wolftankgroup.com

www.wolftankgroup.com

More information online:



WOLFTANK
GROUP

