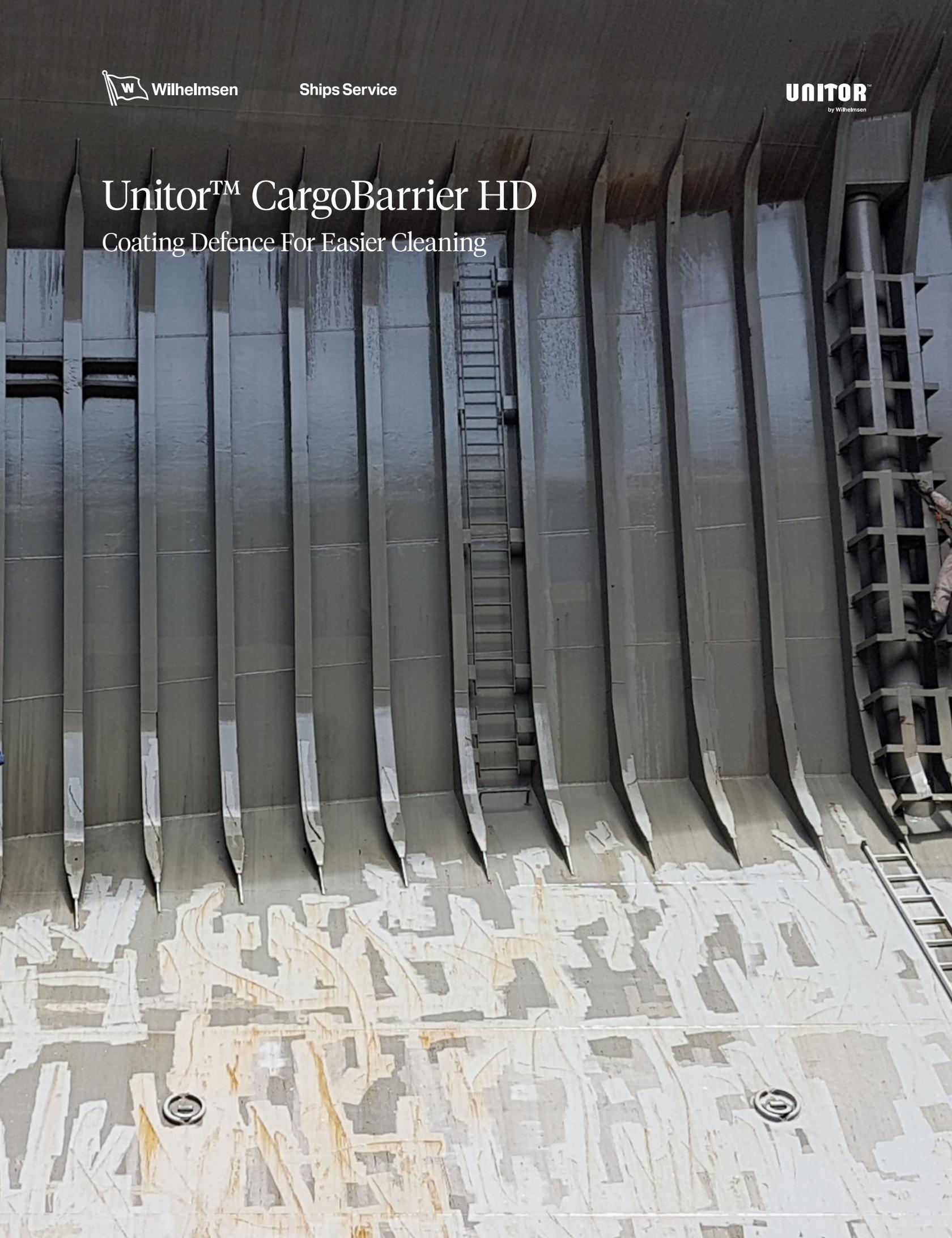


Unitor™ CargoBarrier HD

Coating Defence For Easier Cleaning



Don't let stains on cargo hold surfaces accumulate

Cargo holds are subject to demanding operating environments throughout their lifespan – various forms of damages to cargo holds can occur not only during loading but also during sailing with harsh cargoes - this damage can be amplified when incompatible cleaning/coating chemicals are used.

When cargo is loaded into the holds, the coatings can rapidly absorb the fine contaminants into its pores, especially when the coatings have not been treated and maintained with care.

Removing these contaminants is a major challenge to the crew and often ends up in a doom loop when harsh chemicals are used for cleaning that damages and roughens the paint coatings even more.

New CargoBarrier HD

To create the necessary barrier and to seal the open pores of your hold coatings, we have created the Unitor™ CargoBarrier HD (Heavy Duty), a unique water-based solution that is excellent at protecting cargo hold surfaces from rough cargoes and preventing stubborn deposits that is a challenge to remove at every cargo hold cleaning operation.



- Unitor™ CargoBarrier HD creates a water-resistant film that prevents the moisture from wet cargoes from penetrating the barrier - offering protection throughout the entire voyage.



- Stains can be rinsed off smoothly along with wash water when our cleaner, Unitor™ CargoClean HD, is applied to remove the temporary film created by Unitor™ CargoBarrier HD.



- Not harmful to marine environment according to MARPOL Annex V.



Quick Application, Lasting Results

With just one single application, Unitor™ CargoBarrier HD is able to successfully protect cargo hold surfaces from the adhesion of dirty cargoes, making it ideal for the prior loading of coal and petcoke or humid and corrosive cargoes.



All in One:

The Unitor™ CargoBarrier HD works perfectly in combination with our cleaner Unitor™ CargoClean HD and our Unitor™ Cargo Hold Cleaning kits to facilitate an efficient application and cleaning process.

Step 1: Clean

Remove as many cargo residues as possible from the cargo hold. Apply Unitor™ CargoClean HD directly onto the hold surface, let it soak as per the instruction manual provided, then wash it off with the strong seawater jet of the Unitor™ Tornado 3. For the extra stubborn stains, repeat the process and use the Unitor™ HPCE 520 Inox high pressure cleaner together with the Unitor™ Anaconda Lance Kit.



Unitor™ CargoClean HD
Product number: 779104

Step 2: Prepare

Begin with a fresh water rinse using our Unitor™ cargo hold cleaning equipment. Cargo hold surfaces should be as clean and dry as possible before treatment with Unitor™ CargoBarrier HD.



Panamax cargo hold cleaning kit
Product number: 778855

Step 3: Coat

Apply the Unitor™ CargoBarrier HD from the top of the cargo hold, moving downwards. One single layer of application is sufficient.

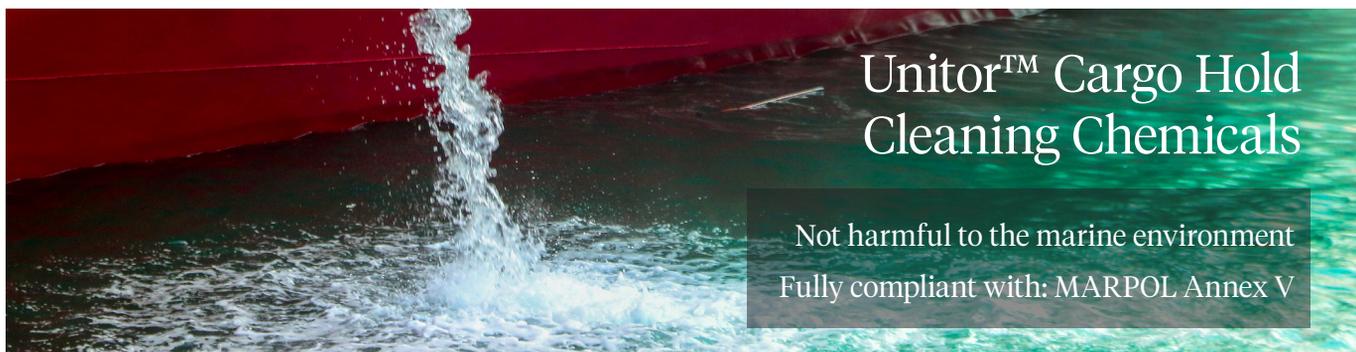
Unitor™ CargoBarrier HD makes your next preparation easier by allowing smoother cleaning. Simply use our highly concentrated Unitor™ CargoClean HD to easily remove the Unitor™ CargoBarrier HD film including all existing dirt and stains - mix just 10% of Unitor™ CargoClean HD with 90% fresh water.



Unitor™ CargoBarrier HD
Product number: 779092

Not harmful to marine environment

Unlike many products on the market containing HME (Harmful to the Marine Environment) substances such as Sodium Hypochlorite, better known as bleach, Unitor™ CargoClean HD and Unitor™ CargoBarrier HD can be discharged at sea along with wash water, being fully compliant with MARPOL Annex V.



Unitor™ Cargo Hold
Cleaning Chemicals

Not harmful to the marine environment
Fully compliant with: MARPOL Annex V

Coating Defence For Easier Cleaning

An Unrivalled Global Network



Global availability in key ports enables:

-  Onboard support by our Port Service Engineers
-  The right equipment along with the chemicals
-  Reduced time spent on sourcing
-  Familiarized crew members working with consistent, standardized solutions every time

*Current stock locations for
Unitor™ CargoBarrier HD:

- Algairas
- Busan
- Durban
- Fujairah
- Hamburg
- Hong Kong
- Houston
- Istanbul
- Jeddah
- Kobe
- South Korea
- London
- Los Angeles
- Nantong
- New York
- Panama City
- Piraeus
- Port Said
- Rio de Janeiro
- Rotterdam IDC
- Rotterdam Port
- Shanghai
- Singapore
- Sydney
- Vancouver

* Please note that stock locations may change and availability is subject to confirmation at the time of order. Please contact your WSS representative for more information.

Wilh. Wilhelmsen Holding ASA

Phone: (+47) 67 58 40 00
Fax: (+47) 67 58 40 80

Postal Address:
PO Box 33, NO-1324
Lysaker, Norway

Visiting Address:
Strandveien 20, NO-1366
Lysaker, Norway

Contact WSS customer services
for prices and availability.

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for a closer look

