



**JOTUN**

*SeaForce*

Efficient fouling protection

# SeaForce

## Efficient fouling protection

The SeaForce range is an established and world proven assortment of quality antifoulings. The range is designed to provide efficient fouling protection. Developed in Jotun's world leading R&D facility, the SeaForce range is under constant development to meet our customers' needs. Now the introduction of new, improved SeaForce 60 and SeaForce 90 provides even more efficient fouling protection!

### Significantly less leached layer in SeaForce 60 and SeaForce 90



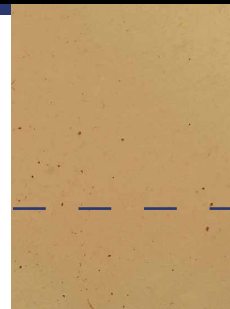
- With new Seaforce 60/SeaForce 90 the leached layer is reduced by up to 50%
- Significantly less leached layer → Better effect of the biocide used → Improved fouling protection
- In the two photos (*right*) the leached layer of the new SeaForce coating is visibly thinner than the previous SeaForce – the red colour is seen through the low leached layer in the new paint.



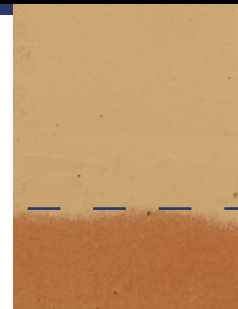
### Easier to remove leached layer

- These two photos show high pressure washing of an area of leached layers of previous SeaForce 60/SeaForce 90 (*left*) and new SeaForce 60/Seaforce 90 (*right*).
- The leached layer of new SeaForce 60/SeaForce 90 is easier to remove.
- This feature gives a shorter time for cleaning and improved adhesion when overcoating.

Previous SeaForce 60/SeaForce 90



NEW SeaForce 60/SeaForce 90

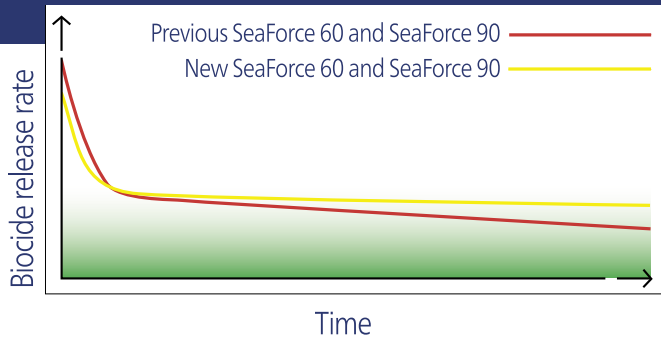


AREA  
HIGH PRESSURE  
WASHED

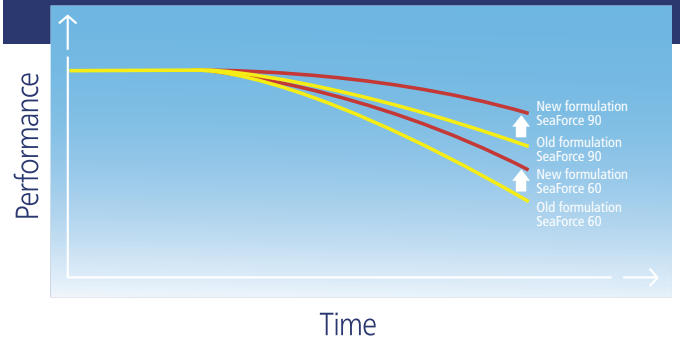
In the photos above, lower pressure than recommended was used in order to illustrate the difference between leached layers of previous SeaForce 60/SeaForce 90 and new SeaForce 60/SeaForce 90.



## Improved control of biocide release rate



## In total, improved efficient fouling protection



### Biocide release and onset of fouling

- As the biocide release rate falls into the green shaded area, fouling by slime and algae may start.
- The lower the rate falls, the greater the chance of fouling.
- SeaForce 90 now incorporates a new and more effective combination of biocides which results in increased efficiency of the fouling protection.

- Reducing the leached layer thickness/better effect of biocides gives an improved performance in both SeaForce 60 and SeaForce 90.

## SeaForce 30

- **Up to 60 months efficient fouling protection**
  - Vertical side: 36 months
  - Flat bottom/boot top: 60 months
- **Self-polishing**
- **For vessels operating in global trade**
- **Based on PPT;**  
Polymeric Plasticiser Technology (patented)

## SeaForce 60

- **Up to 36/60 months efficient fouling protection**
  - Vertical side: 36 months
  - Flat bottom/boot top: 60 months
- **Self-polishing**
- **Low leached layer**
- **For vessels operating in global trade**
- **Based on PPT;**  
Polymeric Plasticiser Technology (patented)

## SeaForce 90

- **Up to 60 months efficient fouling protection**
  - Vertical side: 60 months
  - Flat bottom/boot top: 60 months
- **Self-polishing with high performance biocides**
- **Low leached layer**
- **For vessels operating in global trade**
- **Based on PPT;**  
Polymeric Plasticiser Technology (patented)

## SeaForce solutions for Tankers/Bulkers/LNGs/Containers/Barges etc.

| PRODUCT     | FLAT BOTTOM (months) | SIDE BOTTOM (months) | BOOTTOP (months) |
|-------------|----------------------|----------------------|------------------|
| SeaForce 30 | 60                   | 36                   | 60               |
| SeaForce 60 | 60                   | 36                   | 60               |
| SeaForce 90 | 60                   | 60                   | 60               |



# Jotun worldwide

Jotun Coatings and Jotun Paints  
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Legal Jotun entities world wide are  
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