

The background of the slide features a close-up, slightly blurred view of a light brown rope net, likely made of natural fibers, draped over a dark blue ocean. The net's diamond-shaped mesh is prominent, with the ropes crossing at regular intervals. The ocean surface shows gentle ripples, and a soft, hazy horizon line is visible in the upper left quadrant, suggesting a bright sky.

# Maritimne tekstilije

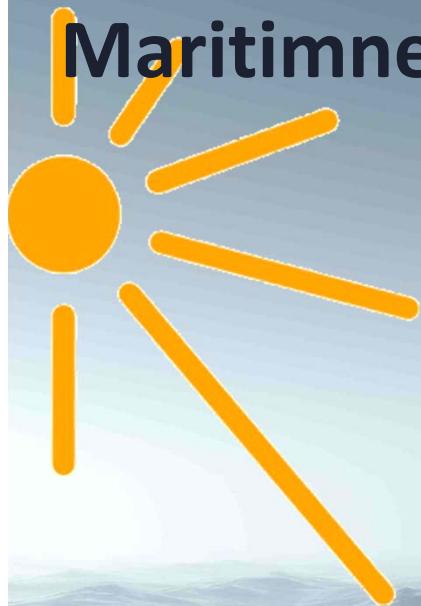
**Edita Vujasinović**

*Dan otvorenih vrata – TSRC 2022. Tehnički muzej Nikola Tesla, Zagreb 26.9.2022.*

# Maritimne tekstilije



# Maritimne tekstilije



Ambalaža



Kućanski tekstil



Odjevni tekstil



Zaštita okoliša



Zaštitni tekstil



Agrotekstil



Građevinski tekstil



Mobiltekstil



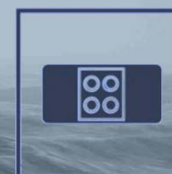
Tekstil za sport



Geotekstil



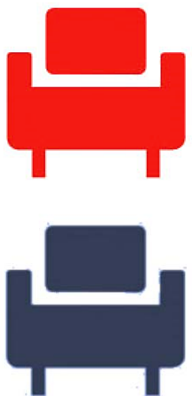
Industrijski tekstil



Medicinski tekstil

**maritimne tekstilije** (*lat. maritimus ≈ mare: more*)  
tekstilije koje se još od pamtivijeka povezuju s ljudskom  
aktivnošću na/u i oko mora.

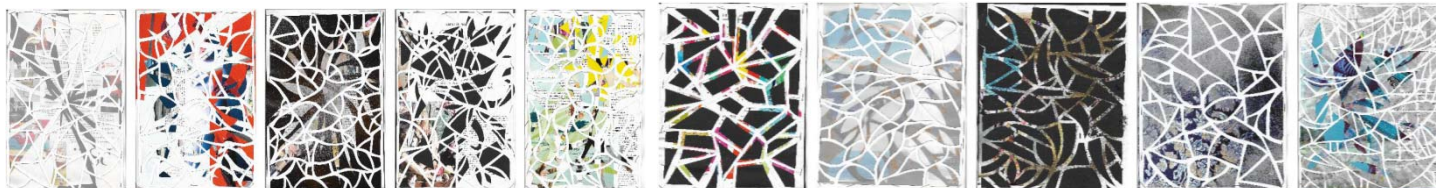
# Maritimne tekstilije



Yx7 Explorer



Azimut Magellano 66



Sorona® tepih



Brisa®

# Maritimne tekstilije



- vodoodbojna
- oporabiva
- bio-razgradljiva
- otporna na udare i probijanje
- antistatička



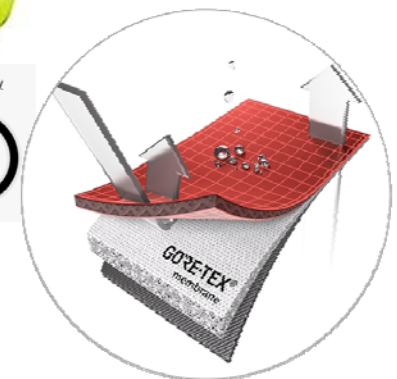
<https://www.gard.no/web/updates/content/11831702/stowing-and-securing-of-jumbo-bags-filled-with-granulated-cargo>



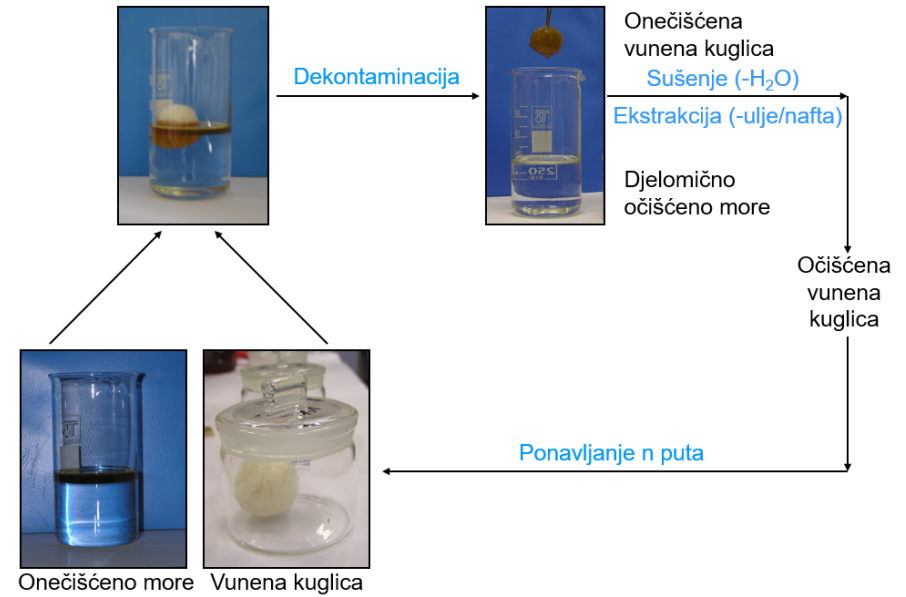
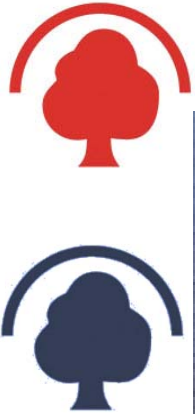
# Maritimne tekstilije



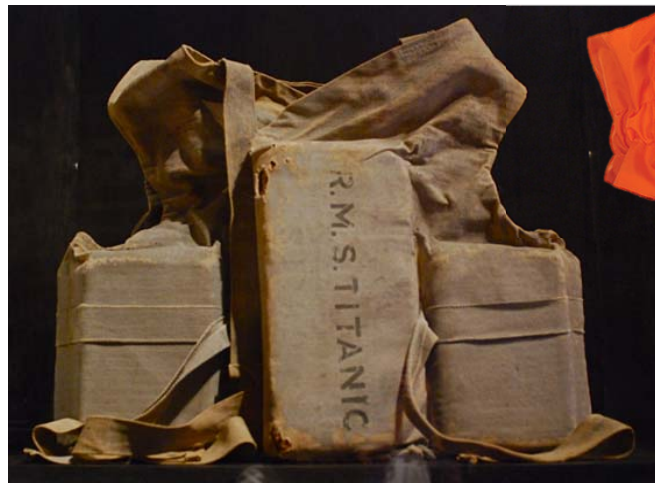
Windproof	Waterproofness	Breathability	Durability
6/6	6/6	6/6	6/6



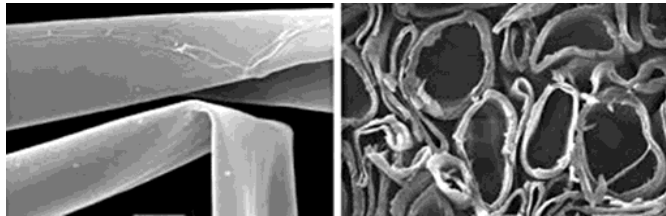
# Maritimne tekstilije



# Maritimne tekstilije

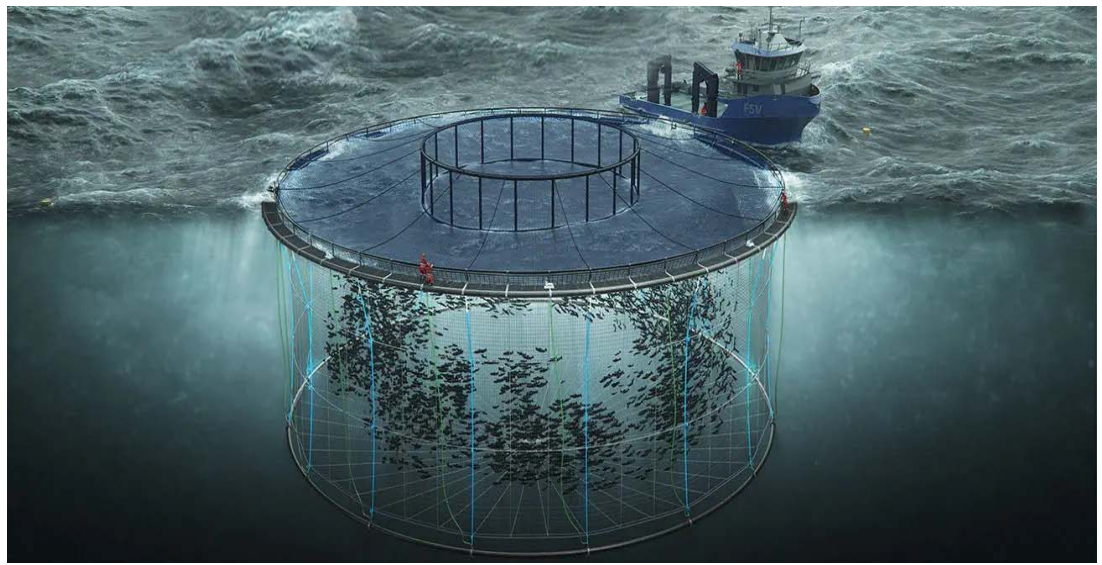
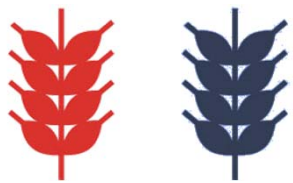


<https://www.westmarine.com/west-marine-type-i-comfort-deluxe-life-jacket-15911373.html>



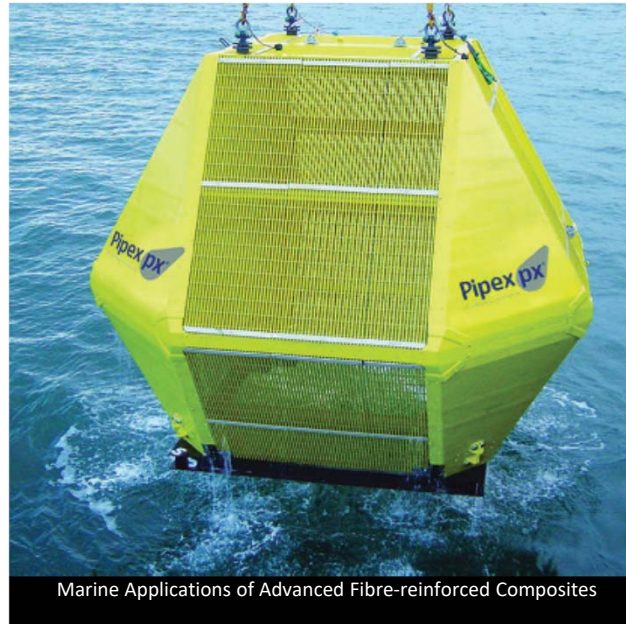


# Maritimne tekstilije

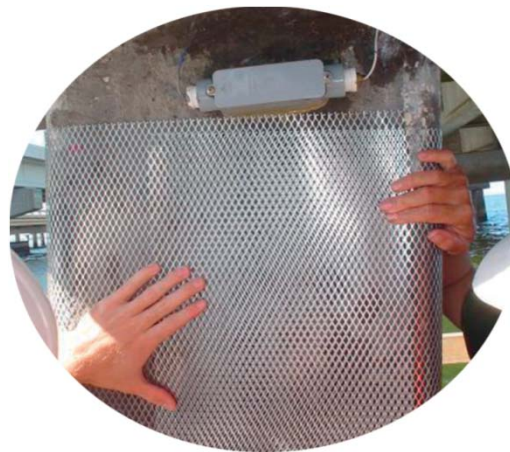


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# Maritimne tekstilije

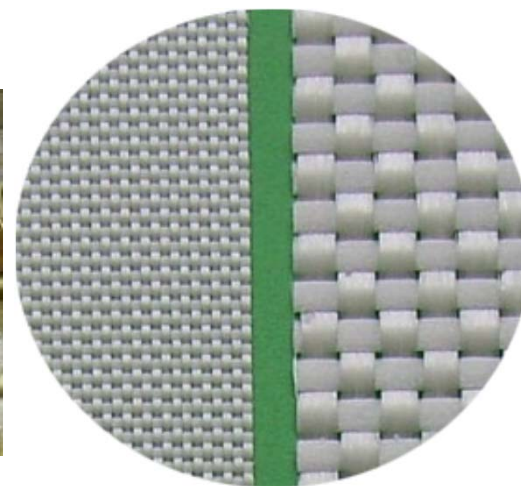


Marine Applications of Advanced Fibre-reinforced Composites

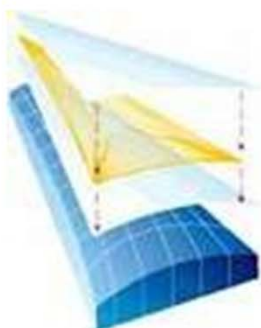
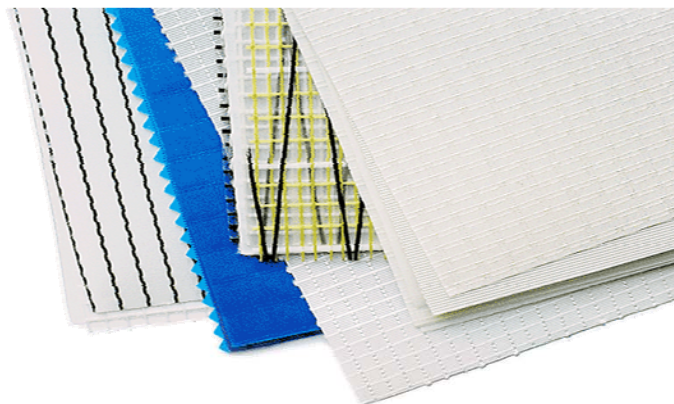
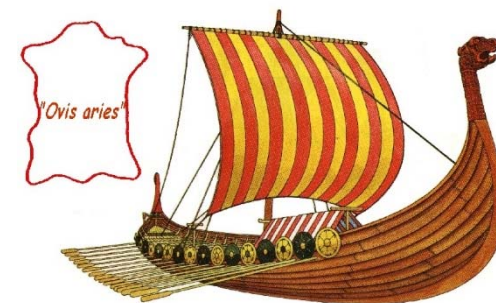
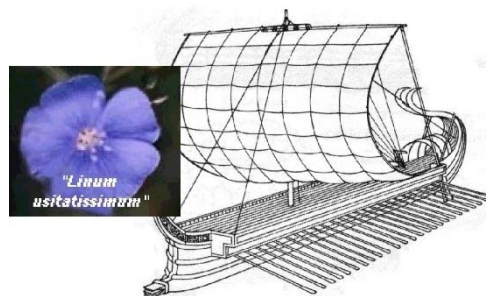


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# Maritimne tekstilije



# Maritimne tekstilije



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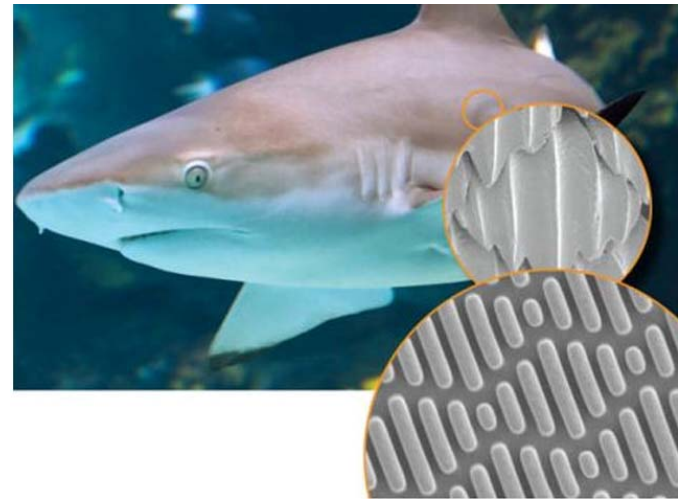
# Maritimne tekstilije



Morski pas

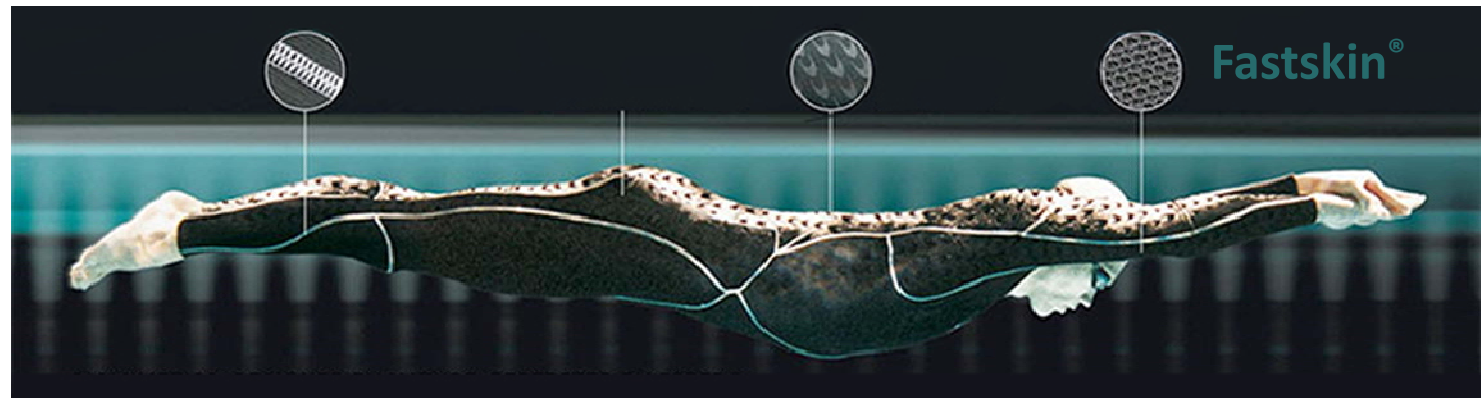
- troši manje energije za plivanje
- 10 % je brži od ostalih

<https://klik.hr/novo/ljudi-na-brodu-snimili-infarktan-prizor-ako-kojim-slucajem-vidite-ovaj-trag-u-moru-bjezite-i-spasavajte-glavu>



Micheal Phelps

- 6 zlatnih i 2 brončane medalje (Atena 2004.)



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# Maritimne tekstilije



zona akumulacije prirodnog sedimenta



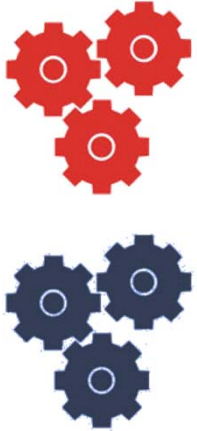
lomljenje valova zbog geotekstilnih cijevi (prigušenje energije)



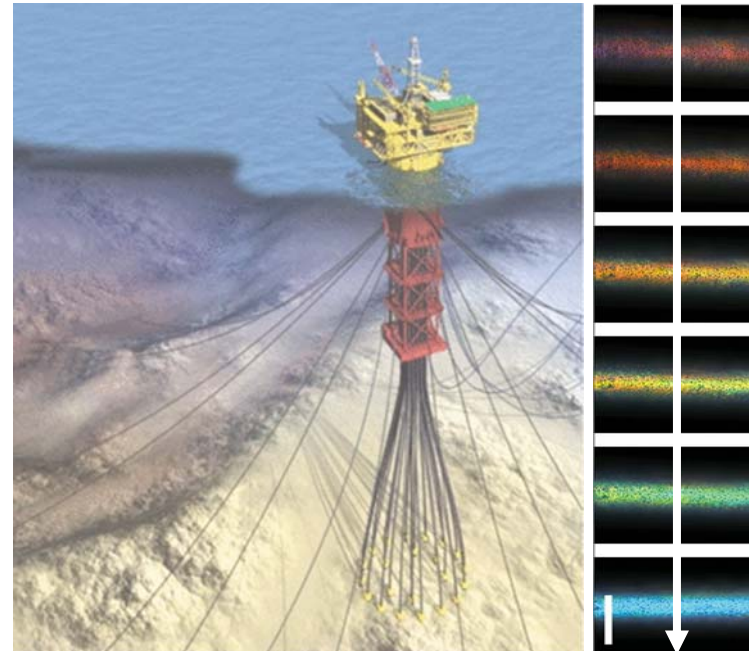
Sloj geotekstila ispod kamene podloge omogućuje otjecanje vode, ali u isto vrijeme sprječava nestabilnost tj. osigurava otpornost na udare valova i struja, sprječava eroziju i ispiranje sitnih čestica



# Maritimne tekstilije



- dobro očuvano uže otkriveno je na arheološkom nalazištu u Egiptu (cca 2000 g.p.K)



pametna vlakna  
Kameleon vlakna

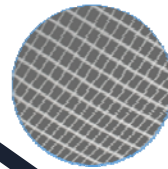
# Maritimne tekstilije



## Bio-razgradivi kirurški konac

Poliglaktin (kopolimer sastava 90% glikolid i 10% L-laktid)

- hidrolitički materijal se razgrađuje u vremenu od 56 i 70 dana
- 40 - 50% vlačne čvrstoće ostaje i nakon 21 dana



## VOK + kirurško bio-ljepilo





# Maritimne tekstilije



HRZZ IP-2020-02-7575: Procjena otpuštanja čestica mikroplastike iz poliesterskih tekstilija u procesu pranja



KK.05.1.1.02.0016: Proizvodnja hrane, biokompozita i biogoriva iz žitarica u kružnom biogospodarstvu



KK.01.1.1.04.0091: Dizajn naprednih biokompozita iz energetski održivih izvora (BIOKOMPOZITI)

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Što je veća populacija  
fitoplanktona u oceanu, to će  
izgledati **zelenije**

## Maritimne tekstilije

SUSTAINABLE  OCEAN INITIATIVE

A wide-angle photograph of a vast, dark blue ocean with white-capped waves. The sky is bright and hazy, with a soft glow on the left side. The text "Hvala na pažnji!" is centered in the upper half of the image.

**Hvala na pažnji!**