

# MYTEX

## LAMINATE, TILES & BLOCKS

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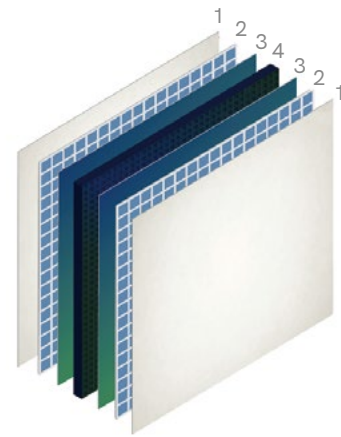
CUSTOMIZED • MODULAR • SAFEGUARD TECHNOLOGY

# MYTEXLAMINATE

The MYTEXLAMINATE is a high-strength, robust, and durable laminated textile. It is completely pressure-resistant to vacuum and cannot be damaged even at the maximum possible suction pressure. The MYTEXLAMINATE features a patented design and can be manufactured using any commercially available flat sheet membrane, providing the flexibility for an application-oriented membrane selection.

Thanks to its hybrid properties, the laminate is flexible and back washable, with a high degree of free volume within the drainage layer. This free volume can be utilized to deposit reactive substances, enabling advanced treatment processes that integrate further downstream processes in one step.

The SAFEGUARD TECHNOLOGY ensures the retention of biomass, even in the event of severe membrane damage. As the multilayer laminate prevents biomass from passing through, the retained biomass forms a secondary filtration layer, effectively blocking any spot of damage and safely rejecting any biomass. Consequently, high turbidity or suspended solids in the permeate will be prevented.



MYTEXLAMINATE

- 1 Membrane
- 2 Carrying layer
- 3 Adhesive fabric
- 4 Drainage layer

# MYTEXTILES

Based on the MYTEX laminate technology, we are capable of manufacturing customized MYTEXTILES tailored to your specific needs and applications. Every size or format can be provided as a starting element for your own membrane block, giving you the flexibility to meet your project's unique requirements. Furthermore, you have the freedom to choose the position and size of your permeate extraction point.

Our "2-step process" for sealing the corners involves Ultrasonic welding and high-tech gluing, guaranteeing a 100% long-term leak-proof joint. Not only does this ensure a secure seal, but it also enhances the mechanical stability of the corners, making them more resilient against accidental events, e.g. such as might occur during installation.



## Your Product – Your Branding!

We are happy to individualize your laminates with the logo of your company. With pleasure we deliver your complete MYTEXBLOCKS in other colour combinations, suiting your CI, e.g. blue-white, green-white, red-white and more.

**Please get in touch!**

# MYTEXBLOCK



MYTEXBLOCK

Based on your MYTEXTILE configuration, we will design your individual MYTEXBLOCK, tailored to your specific needs. These stackable and self-supporting membrane blocks offer the highest packing density and absolute modularity. Their manageable size and weight enable convenient manual handling, particularly beneficial in space-limited environments.

You have the flexibility to determine the number of individual sheets in your MYTEXBLOCK, with variability by 1 sheet in each dimension. This feature allows for easy replacement of individual sheets if needed.

MYTEXBLOCKS have clearly defined crossflow channels, ensuring effective cleaning through air bubble-induced crossflow when in operation. Additionally, short distances to the permeate suction ports allow for uniform permeate flow and enable chemically enhanced backwash processes.

Thanks to these advantages, MYTEXBLOCKS stand out as one of the most service-friendly membrane elements on the market.

Be independent in choosing your configuration and setup of your own submerged membrane modules.

Thanks to the extensive configurability, a solution can be found for almost every application challenge.

## Properties of MYTEX

- ✓ Patented, textile-based multilayer laminate
- ✓ Semi-flexible, backwashable, and robust
- ✓ Free choice of membrane material, including manufacturer, selectivity, pore size, and material

## Reliability and Performance

- ✓ Durable and highly reliable
- ✓ SAFEGUARD TECHNOLOGY
- ✓ High pressure stability, indestructible even under filtration pressure close to vacuum
- ✓ 100% long-term leak-proof
- ✓ Resistant against mechanical impacts

# MYTEX

## Flexibility and Adaptability

- ✓ Customizable in size and form
- ✓ Modular and stackable
- ✓ High packing density
- ✓ Open from all sides
- ✓ Easy to handle

## Economic Benefits

- ✓ Low replacement costs
- ✓ Individual membrane sheet replacement possible
- ✓ Service-friendly

## AS DISTRIBUTOR

### Unique sales arguments

- World leading technology product
- White labeling (your logo, your color)

# WE SUPPORT YOU - WORLDWIDE!



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UNISOL MEMBRANE TECHNOLOGY reserves the right to change specifications without prior notification.  
For the latest version, please refer to the internet.  
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