



## High-Performance Elastomeric Binder for Hydrostatic-Pressure-Resistant Liquid-Applied Waterproofing Membranes

Liquid-applied waterproofing membranes (LAMs) used in wet areas and below-grade construction are continuously exposed to moisture, hydrostatic water pressure, and substrate movement. Long-term waterproofing performance requires the formation of a dense yet highly elastic polymer matrix that maintains water tightness under sustained water head, as evaluated by J-tube and immersion testing commonly used for ANSI A118.10-compliant systems.

**LIPATON™ SB 5925** is a carboxylated styrene-butadiene (XSBR) latex engineered for high-performance LAM formulations. It combines low water uptake with high elongation and stable tensile strength, enabling the formation of continuous, defect-free films with excellent resistance to hydrostatic pressure. In filled, polymer-based liquid-applied membrane systems, **LIPATON™ SB 5925** shows strong film integrity and very good J-tube resistance, supporting durable and reliable waterproofing performance.

The polymer's inherent flexibility and elastic recovery deliver effective crack-bridging capability, supporting crack-isolation performance when properly formulated. Its low water-vapor transmission makes **LIPATON™ SB 5925** well suited for wet areas and interior slab-on-grade or below-grade concrete applications exposed to moisture vapor drive, without compromising adhesion or long-term durability.

These attributes make **LIPATON™ SB 5925** a proven binder technology for elastic, liquid-applied waterproofing membranes, including systems representative of leading products in the US construction market.

### Property

### LIPATON™ SB 5925

| Property            | LIPATON™ SB 5925               |
|---------------------|--------------------------------|
| Chemistry           | Carboxylated Styrene Butadiene |
| Solids Content in % | 50.0                           |
| pH value            | 8.5                            |
| Viscosity in mPa·s  | 50                             |
| Tg in °C            | 7                              |

### Features

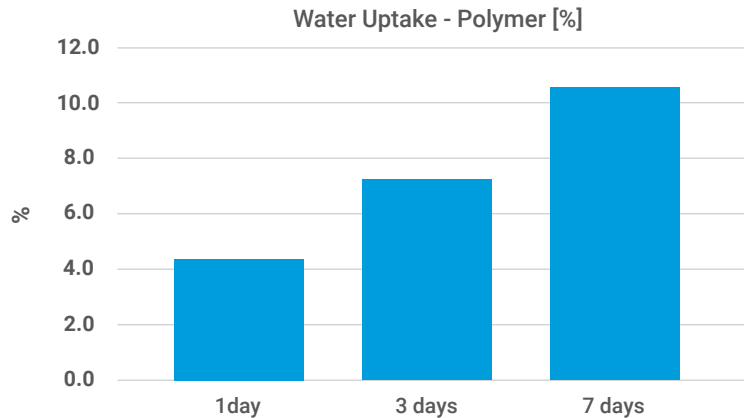
- Excellent flexibility
- Good tensile strength
- Excellent waterproofing performance
- Low water uptake
- Low water vapor permeability

### Applications

- Interior waterproofing layer for floors and walls tiling
- High-moisture areas: bathrooms, kitchens and other wet rooms
- Damp-proof membranes in basements or foundations

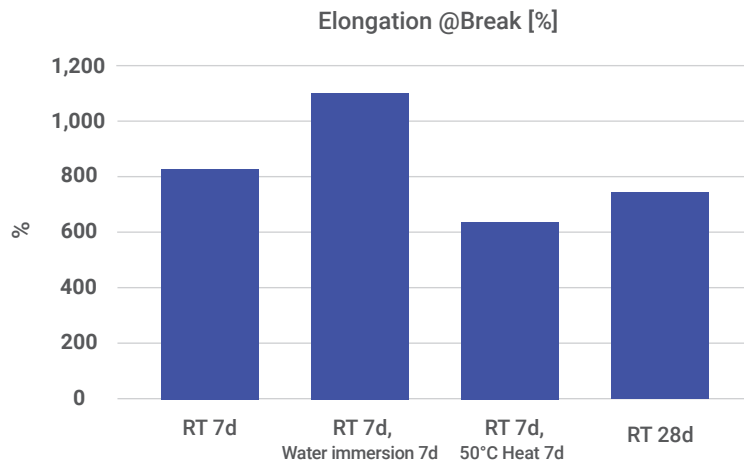
### Performance Comparison

#### Water Uptake



The special designed XSBR technology gives **LIPATON™ SB 5925** inherent hydrophobicity. The low water uptake behavior enables excellent waterproofing performance in liquid-applied membrane systems.

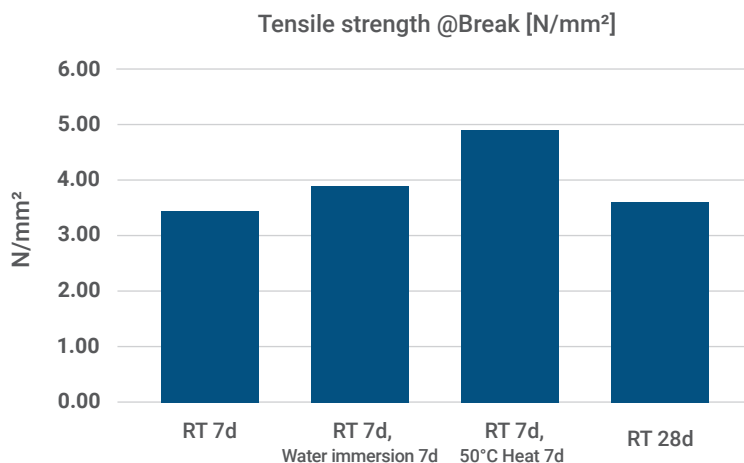
#### Elongation @ Break



Based on internal formulation  
RT = Room Temperature

**LIPATON™ SB 5925** membranes demonstrate outstanding elongation, supporting their robust flexibility and reliability under diverse service conditions.

#### Tensile strength @ Break



Based on internal formulation  
RT = Room Temperature

**LIPATON™ SB 5925** membranes deliver consistently strong tensile strength, demonstrating excellent mechanical stability under diverse service conditions.