LIPATON™ SB 3560

Sell Sheet

High solids latex with excellent tensile strength for bituminous waterproofing

Bitumen waterproofing underlayers are renowned for their durability, but certain challenges can arise. Extreme weather conditions during application can lead to poor curing and bonding, compromising the waterproofing effectiveness. Additionally, temperature fluctuations can cause thermal expansion and contraction in the structure, resulting in cracks and blisters in the underlayer. Seams and joints present another concern, as they can create weak points susceptible to leaks.

HS-SBR is a chemistry used for bituminous applications. **LIPATON™ SB 3560**, utilizing HS-SBR technology, offers bituminous waterproofing manufacturers a solution to these common challenges. Its anionic nature ensures high compatibility with various bitumen types, making it an ideal choice for diverse bitumen applications.

With high solids content (67.5%) and very low glass transition temperature (Tg -47°C), it delivers excellent low-temperature flexibility and heat resistance. The product also boasts outstanding tensile strength and superior elongation performance, providing enhanced durability for the waterproofing underlayers.

LIPATON™ SB 3560 also passed the EN 15820 slotted disc water pressure test standards[1]. The latex is biocide free. Its high pH value protects the latex from bacterial and fungal attacks during storage.

Property	LIPATON™ SB 3560
Chemistry	Styrene Butadiene Rubber (HS-SBR)
Solid Content in %	67.5
pH value	11
Viscosity in mPa·s	<2,200
Tg in °C	-47
Ionic Charge	Anionic

Features

- Low temperature flexibility and heat resistance
- Excellent tensile strength
- Superior elongation properties
- Highly compatible with a vast spectrum of bitumen
- Biocide free
- Pass EN 15820 slotted disc water pressure test[1]

Applications

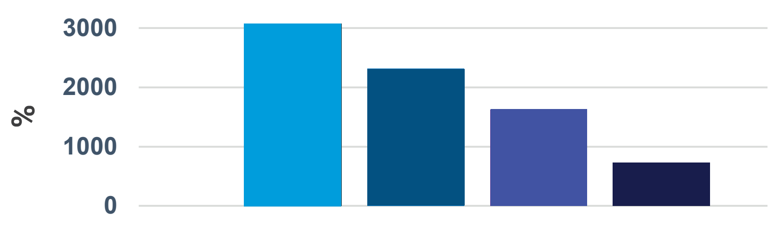
- Bituminous waterproofing

[1] According to Synthomer internal bitumen standard

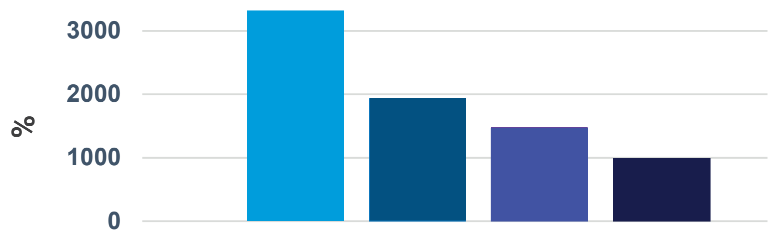
Performance Comparison

LIPREN™ B | LIPATON™ SB 3560 | Competitor 1 | Competitor 2

Elongation at Break
1mm dry

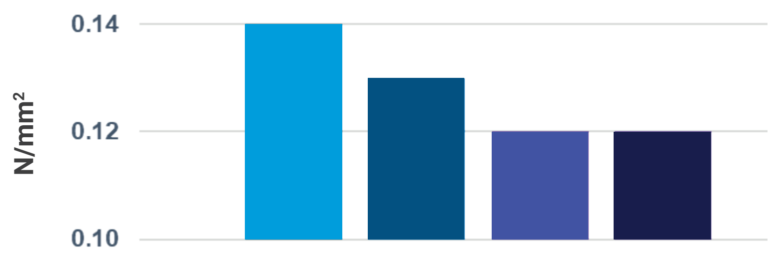


Elongation at Break
2mm dry



LIPATON™ SB 3560 showcases outstanding elongation capabilities, on par with Polychloroprene standards, across both 1mm and 2mm dry film thicknesses.

Tension at F Max
1mm dry



LIPATON™ SB 3560 shows excellent tensile performance, close to Polychloroprene ones.

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