

LIPATON™ SB 4070 is an aqueous high solids dispersion of a styrene-butadiene (HSSBR) copolymer designed for anionic bitumen waterproofing and other bitumen modification applications. Flexible at low temperature and good tensile strength. Free from solvents and plasticizers, and no antioxidant.

For further information regarding this product please refer to:

Construction Synthomer

eMail: Construction@synthomer.com

Property	Typical Value	Unit	Method ¹
Total Solids Content	70.0	%	ISO 124
pH Value	11.0		ISO 976
Viscosity	1,100	mPa·s	ISO 1652
Minimum Film-Forming Temperature (MFFT)	0	°C	
Glass Transition Temperature (Tg)	-51	°C	

¹ internal method based upon the specified norm

Application Advice

LIPATON™ SB 4070 is protected against bacterial and fungal attack during storage due to its pH value. During the manufacture of finished products, the material must be retreated, as usual, with suitable biocides to ensure enhanced preservation.

LIPATON™ SB 4070 is a synthetic latex which, owing to its exceptionally high solids content and very low glass transition temperature, is particularly suitable for the modification of anionic bitumen emulsions. This addition broadens the plasticity range of appropriately modified bituminous sealing systems, especially their low-temperature flexibility and heat resistance.

LIPATON™ SB 4070 modified anionic bituminous thick coating passed the Slotted Disc Pressure Test (EN 15820). The coating showed no material failure, leakage or peeling after being subject to a water pressure of 0.75 bar for 72 hours, demonstrating good watertightness performance.

For additional information, please contact our Technical Service Team.

Shipping and Storage

LIPATON™ SB 4070 is normally delivered in road tankers. Shipment in 1,000 kg containers is also available. The storage temperature of the dispersion should not fall below + 5 °C and not exceed + 40 °C. In airtight, unopened, original containers, and provided the storage conditions are met, the dispersion is stable for 6 months after delivery. However a slight drying of the surface, or some cream formation cannot be ruled out. It is therefore advisable that the dispersion, or compounds made from it, should be stirred, or mixed before use. The contents of containers should be used up as soon as possible after opening. The pH value of the dispersion may decrease due to absorption of carbon dioxide from air. If the pH drops below 10 it must be readjusted to the initial value with an aqueous 5 % potassium hydroxide solution.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.