

LITEX SBV 600 is an aqueous emulsion of a self-crosslinking copolymer of butadiene and styrene.

For further information regarding this product please refer to:

Andreas Gehr

Tel: +49 6108 919 394

eMail: andreas.gehr@synthomer.com

Property	Typical Value	Unit	Method <sup>1</sup>
Solids Content	50	%	DIN EN ISO 3251
pH Value	7.5		DIN ISO 976
Viscosity	< 500	mPa s	ISO 1652
Glass Transition Temperature	31	°C	DIN 53765
Mean Particle Size	0.18	µm	intern
Density	1.08	g/cm <sup>3</sup>	DIN 51757
Minimum Film-Forming Temperature	23	°C	DIN ISO 2115
Ionic Character	anionic		

<sup>1</sup> internal method based upon the specified norm

## Application Advice

Applications - Impregnation of nonwoven base material for roofing felts. - Bonding of fibrefills for the upholstery and bedding industry. Film properties Evaporation of the water above the minimum film-forming temperature leaves a clear, colourless film. In order to obtain complete crosslinkage, additional heat treatment is required. We recommend 5 min at 140 °C for a film on which physical or chemical tests are to be performed. The crosslinked film is medium hard, flexible and tack-free at room temperature. It is insoluble in water and resistant to many acids and alkalis. Instruction for use - LITEX SBV 600 can be diluted with water to provide spraying and impregnating liquors of any desired concentration. - These liquors can be foamed by mixing in air. For impregnation by means of foam, we recommend the addition of Marlipal 013/109<sup>2</sup> (approx. 2 g/l) as a foaming agent and Rohagit SD 25 (approx. 10 g/l) as a foam stabiliser. - LITEX SBV 600 can be thickened by means of thickener emulsions (e. g. ROHAGIT SD 15), thickener solutions and cellulose or starch derivatives to provide printing, nip-padding and coating compounds. The drying process must guarantee adequate crosslinkage of the polymer, i. e. after evaporation of the water, the material must reach a temperature between 130 and 160 °C for a short period. The crosslinkage reaction is catalysed by acid and can be accelerated by adding phosphoric acid or p-toluene sulphonic acid (approx. 10 g/l of a 10 % solution on emulsion).

## Shipping and Storage

Store at an even temperature of between +5°C and +35°C avoiding frost and direct sunlight. Stir product before use. If stored according to these conditions and in the original unopened containers, the dispersion will be stable for 12 months following delivery. Product should be used as soon as possible after opening. During processing, storage and transport, avoid any contact with metals (including non-ferrous metals) which are not protected against corrosion. Detailed information is available on request.

## Product Safety

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