

LIPREN B is an aqueous high solids dispersion of a polymer of 2-chlorobutadiene (1.3). The dispersion contains an anionic emulsifier system and is free from film forming aids, solvents and plasticizers.

For further information regarding this product please refer to:

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| Property                         | Typical Value | Unit              | Method <sup>1</sup> |
|----------------------------------|---------------|-------------------|---------------------|
| Solids Content                   | 58            | %                 | ISO 124             |
| pH Value                         | 13.0          |                   | ISO 976             |
| Viscosity                        | 80            | mPas              | ISO 1652            |
| Glass Transition Temperature     | -41           | °C                |                     |
| Density                          | 1.13          | g/cm <sup>3</sup> |                     |
| Mean Particle Size               | 0.2           | µm                |                     |
| Minimum Film-Forming Temperature | 0             | °C                |                     |
| Surface Tension                  | 37            | mN/m              |                     |
| Water Absorption (24h)           | 6             | %                 |                     |
| Tensile Strength                 | 20            | N/mm <sup>2</sup> |                     |
| Elongation at Break              | 1100          | %                 |                     |

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

## Application Advice

Owing to its pH value LIPREN B is protected against bacterial and fungal attack during storage. In the manufacture of finished products, the material has to be retreated, as usual, with suitable agents to give enhanced preservation.

Above minimum film-forming temperature LIPREN B forms a film, which is characterized by high flexibility, even in the cold, and good water resistance. Owing to the crystallisation tendency of the polymer the polymer film exhibits high tensile strength at high elongation and therefore excellent elasticity. By addition of LIPREN B to anionic 1- or 2- component bitumen emulsions tensile strength, toughness and ductility and furthermore softening point and flexibility in the cold are raised. Owing to these properties LIPREN B is especially suitable for the improvement of bitumen emulsions for long term sealings of buildings (basement walls, roofs) against water. Bitumen coatings improved by LIPREN B are characterized by excellent ageing resistance.

## Shipping and Storage

LIPREN B is supplied in road tankers or in non-returnable plastics drums secured by a lid with clamping ring or in non-returnable palletized bulk containers (net weight 1,100 kg). LIPREN B has to be stored protected from frost and at temperatures not higher than + 40°C. Storage at temperatures between + 5 and + 30°C is recommendable. Storage at temperatures over + 30°C for longer periods should be avoided. Stir product before use. Owing to its pH value LIPREN B is protected against germination. Care must be taken to ensure that drums and storage containers are tightly closed. During processing, storage and transport of the product contact with metals unprotected against corrosion (likewise non ferrous metals) has to be avoided. When stored correctly the product has a storage life of 6 months from date of delivery.

## Product Safety

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