LITEX SkyShield 4685 is an aqueous emulsion of a formaldehyde free, self-crosslinking copolymer of butadiene and styrene.

For further information regarding this product please refer to:
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<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Content</td>
<td>%</td>
<td>50.0</td>
<td>ISO 3251</td>
</tr>
<tr>
<td>pH Value</td>
<td></td>
<td>6.5</td>
<td>ISO 976</td>
</tr>
<tr>
<td>Viscosity</td>
<td>mPas</td>
<td>&lt; 500</td>
<td>ISO 1652</td>
</tr>
<tr>
<td>Glass Transition Temperature (DSC)</td>
<td>°C</td>
<td>37</td>
<td>DIN 53765</td>
</tr>
</tbody>
</table>

1 internal method based upon the specified norm

Application Advice

Film properties: Evaporation of the water above the minimum film-forming temperature leaves a clear, colourless film. In order to obtain complete crosslinkage, no additional heat treatment is required. The crosslinked film is very hard, flexible and tack-free at room temperature. It is insoluble in water and resistant to many acids and alkalis.

Instruction for use:

- LITEX SkyShield 4685 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 013/109² (approx. 2 g/l) as a foaming agent and Rohagit SD 25 (approx. 10 g/l) as a foam stabiliser.
- LITEX SkyShield 4685 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.

Applications

- Impregnation of nonwoven base material for roofing felts.
- Bonding of fibrefills for the upholstery and bedding industry.

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 6 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.