GROWSEAL™ styrene butadiene latex (SBR)

Description

GROWSEAL™ SBR is a water-based non-ionically stabilized hydrolysis-resistant dispersion of a carboxylated styrene-butadiene copolymer. The dispersion is freeze-thaw stable. It contains an antioxidant and is compatible with most hydraulic binders.

Applications

GROWSEAL™ SBR is used for the polymer modification of hydraulic binders in common applications including repair mortar, flooring, rendering, bonding, mineral sealing slurries and as cement based adhesive.

At higher temperatures (>25°C) the addition of GROWSEAL™ SBR prevents a premature stiffening of the mortar.

GROWSEAL™ SBR

Main Features cementitious mixes containing GROWSEAL™ SBR have the following advantages:

- Improved adhesion to a wide range of substrates including concrete, glass, steel, etc.
- Excellent resistant to water
- Improved resistance to a wide range of chemicals
- Thin section work is possible
- Improved toughness, durability, abrasion resistance and crack resistance
- Improved frost resistance
- Reduced water to cement ratio for equivalent workability
- Reduced surface dusting

The latex resists acid and alkaline hydrolysis and is free of any added plasticiers (hence no migration risk).

Physical Specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Total Solids (%)</td>
<td>47 ± 1.0</td>
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<tr>
<td>pH</td>
<td>9.0 – 10.0</td>
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<tr>
<td>Viscosity (Brookfield LVF, 60 rpm) mPa.sec</td>
<td>30 -150</td>
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</tbody>
</table>

Storage and Handling

GROWSEAL™ SBR must be stored in closed containers between + 5° and + 35°C and protected from frost and direct sunlight. Detailed information is available on request.

Information on environmental and hazard data may be taken from the material safety data sheet.

GROWSEAL™ SBR is not classified as dangerous according to EC Directive 88/379/EEC and requires no special labeling.