



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 plasticisers (hence no migration risk).

Physical Specification

Total Solids (%)	:	47 ± 1.0
pH	:	9.0 – 10.0
Viscosity (Brookfield LVF, 60 rpm) mPa.sec	:	30 -150

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.