

GlucoSol® 330

GlucoSol® 330 polymer is suited for use in gypsum and cement based mortars. Low dosage of GlucoSol 330 provides anti-sag, thickening and enhanced workability with low stickiness to tile adhesives, plasters and renders.

Main Applications

- Gypsum based manual wall plasters
- Spray-on plasters
- Cement based tile adhesives
- Masonry mortars
- Cement renders

Advantages in tile adhesives

- Non-sagging of tiles
- Improved open time
- Enhanced workability

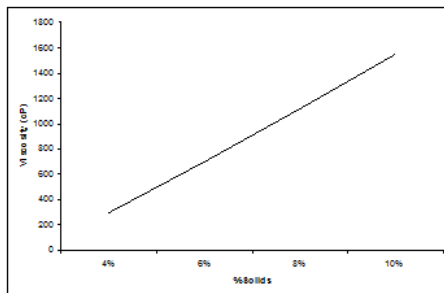
Advantages in other cement based mortars

- Improves consistency
- Anti-sag
- Low stickiness
- Improved pump ability for spray-on mortars
- Enhanced open time

Appearance

GlucoSol 330 is supplied as an off-white powder. Aqueous solutions are translucent and demonstrate excellent stability.

Effect of Solids Concentration on Viscosity



Solution Preparation

The powder form of GlucoSol polymers readily solubilize in water. To avoid lumping of the polymer, preparation of aqueous solutions require the addition of GlucoSol to the vortex of mechanically agitated water. Maintain for a period of about 20 minutes to ensure separation and complete hydration of individual particles. Any agglomerates that initially form will break down with normal agitation and time.

The character and amount of agitation required will vary with solids concentration of the polymer and water temperature. High solids and cold water make-up may necessitate longer agitation time.

Solution Preservation

The chemical substitution of GlucoSol 330 provides enhanced solution biostability. Extended storage of solutions could result in viscosity reduction due to microbial or enzymatic attack. Stored solutions should be protected by the use of a preservative. GlucoSol 330 is available with a preservative treatment.

Storage, Handling and Safety

GlucoSol 330 exhibits good storage stability if kept dry in its original package. Shelf life can be affected by storage conditions such as temperature, humidity and overall surroundings of the storage area. A Material Safety Data Sheet is available from Chemstar and should be consulted prior to handling or use.

Availability

GlucoSol 330 is available in 50 lb multi-wall poly-lined paper bags or 2,000 lb super sacks for truckload and LTL shipments. For additional information, samples or technical assistance in using GlucoSol 330 or any other Chemstar product please contact 1-800-328-5037 or info@chemstar.com.



Typical Analysis of GlucoSol 330 Polymer

GlucoSol 330	
Viscosity (cps), 6% Solids LVT, 60 rpm, #4 spindle	100 – 1,500
Percent Moisture (%)	10 max
Bulk Density (lbs/ft ³)	30 – 40
Particle Size (% thru)	100% (-) 300 micron 75% minimum (-)105 micron

Typical Addition Rates

GlucoSol 330	
Cement based mortars	0.01 – 0.05%
Cement based tile adhesives	0.03 – 0.1%
Gypsum based plasters	0.02 – 0.05%

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