

GlucoSol® 360

GlucoSol® 360 polymer is suited for use in gypsum, lime and cement based plasters. Low dosage of GlucoSol 360 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 based fillers
- Cement plasters and stuccos

Advantages in tile adhesives

- Non-sagging of tiles
- Improved open time
- Enhanced workability and reduced stickiness

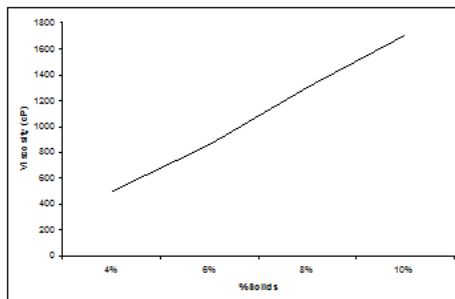
Advantages in other cement based mortars

- Improves consistency
- Anti-sag
- Low stickiness
- Improved pump ability for spray-on mortars
- Excellent in plasters with high gypsum content
- Improved open time

Appearance

GlucoSol 360 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 360 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 360 is available with a preservative treatment.

Storage, Handling and Safety

GlucoSol 360 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 360 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 360 or any other Chemstar product please contact 1-800-328-5037 or info@chemstar.com.



Typical Analysis of GlucoSol 360 Polymer

GlucoSol 360	
Viscosity (cps), 6% Solids LVT, 60 rpm, #4 spindle	400 – 1,500
Percent Moisture (%)	10 max
Bulk Density (lbs/ft ³)	30 – 40
Particle Size (% thru)	97% (-) 300 micron 75% minimum (-)150 micron

Typical Addition Rates

GlucoSol 360	
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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