

GLYCOSTAT GEL

Spool Protection and Gas Removal



SANCCUS

Appearance

Opaque colourless viscous gel

Relative Density

1.105g/cm³

Viscosity

Approx. 10,000cP at 5.11 sec⁻¹

Glycostat Gel is a linear (non-crosslinked) pipeline gel based on monoethylene glycol. The viscosity profile of Glycostat Gel has been specifically designed to have an extremely high viscosity at low shear rates and a high static gel strength. The gel is highly thixotropic so has a very high viscosity at low shear rates and a relatively low viscosity at high shear rates. The product is also stable across a wide range of temperatures from around -10°C to over 100°C.

These rheological properties mean that once the gel is in place it can support itself inside a spool and fill the entire 360 degrees of internal space thereby preventing the ingress of seawater into a spool. It also makes Glycostat Gel highly proficient at the bulk removal of gas from a pipeline.

Although highly viscous Glycostat Gel is still a liquid and so it can pass through chokes and changes in pipeline diameter without any damage and will reform after such a restriction into a single continuous slug of gel.

FEATURES



Stable across a wide range of temperatures



Fills the entire diameter of pipelines



Adapts its shape to overcome chokes and changes in pipeline size

APPLICATION

Glycostat Gel can either be supplied ready to use or it can be supplied as Glycostat Concentrate which is a polymer slurry that is mixed into monoethylene glycol on the work site.

When supplied ready to use the tank of gel should be circulated through a pump prior to use to break the high static gel strength then pumped directly into the spool or pipeline.

Once in place the gel will quickly regain its static gel strength and fill the internal diameter.

When supplied as Glycostat Concentrate the slurry concentrate should be slowly mixed into a tank of circulating monoethylene glycol then the mixture circulated through a pump and ideally also through a static inline mixer. The circulation should continue for a minimum of 60 minutes or until the viscosity reaches a predetermined value which is measured onsite using a Fann 35 viscometer or equivalent with an R1/B1 Rotor/Bob combination.

Supplied in 1000L IBC or in bulk in offshore tote tanks.

