

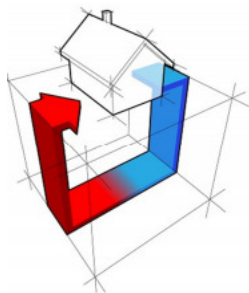
GEO™ Low Viscosity Inhibited Fluid

The non-toxic alternative to MEG

DESCRIPTION:

Kilfroast GEO is a fluid engineered to increase both the performance and safety of closed loop ground and water source heat pumps.

Systems using Kilfroast GEO will benefit from lower pressure drops, reducing pumping energy and costs, giving a higher overall efficiency. It will outperform both Mono Ethylene Glycol (MEG) and ethanol based fluids, with an enhanced safety and sustainability profile. When replacing other more viscous fluids such as Mono Propylene Glycol (MPG) or glycerol in existing systems, customers will benefit from immediate system performance leading to long term energy savings.

ADVANTAGES:

- * High performance non-toxic heat transfer fluid.
- * Outperforms MEG, MPG, Bio-PDO and ethanol based heat transfer fluids
- * Outperforms requirements of ASTM D1384-05 corrosion tests.
- * Free from nitrates, nitrites, borates, heavy metals and phosphates.
- * Optimum operating temperature range -25 °C to +25 °C
- * Delivers lower system pressure drop and lower pumping costs.
- * Created to improve MIS 3005 Compliant Collector Design.
- * Liquid formulation supplied as concentrate.
- * Can be supplied as dilute product (ready to use).

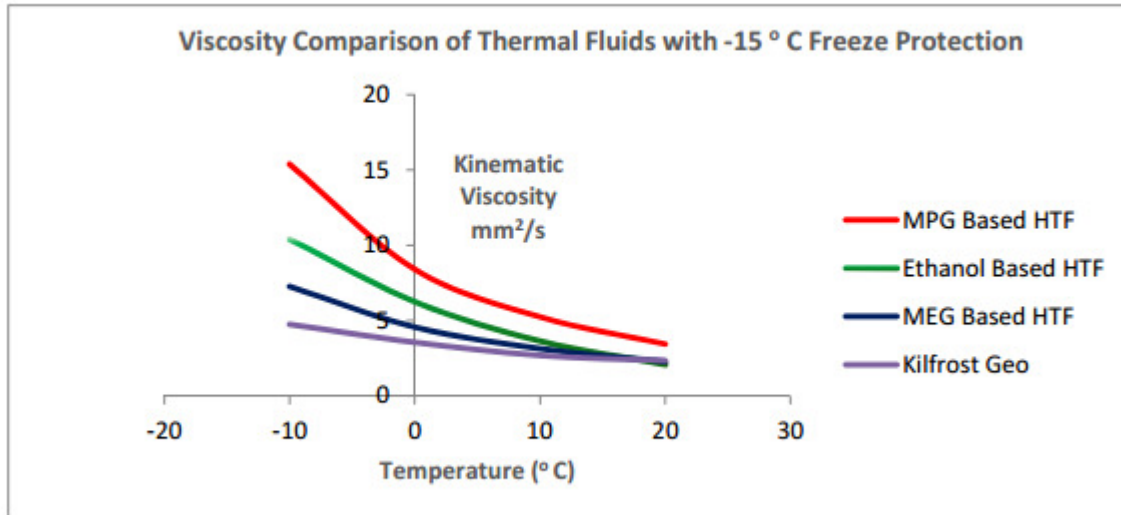
APPLICATION: Add to the system as determined by required freeze point. A minimum 25% product is required in the system to provide adequate corrosion protection.

Freeze Point °C	Product Volume % v/v	Refractive index
-10	25	1.3638
-15	30	1.3681
-20	40	1.3796
-30	50	1.3915
-40	60	1.4002

DOSING EQUIPMENT: A complete range of dosage and control equipment is available to provide the most effective application of water treatment chemicals to your system.

DELIVERY OPTION: Kilfroast GEO™ is packed in 20L kegs, 200L drums and 1,000ltr non-returnable IBC's.

Viscosity Comparison



NOTE ON GALVANISED METALS:

Kilfrost GLV™ and any glycol based heat transfer fluids should not be used in systems containing galvanised metals. Glycol based fluids can react with the zinc that is present in galvanised materials leading to physical damage to the operating system and degradation of the heat transfer fluid.