

PYROGEL

Black Powder Treatment



SANCCUS

Relative Density

1.10 - 1.20g/cm³

Appearance

Clear liquid

pH

4-6 Neat

Pyrogel is a linear (not crosslinked) water based gel. The rheology of Pyrogel has been carefully tailored to be highly thixotropic so it provides very high viscosity at low shear rates which makes it exceptional at suspending Black Powder (Iron Sulphide) allowing it to be treated. During the treatment process the gel will turn dark red in colour indicating successful treatment of the black powder.

The converted waste product can then be transported out of the pipeline or vessel where the gel can be chemically broken. This allows the trapped treated waste to be dropped out of the gel and recovered for disposal as a solid leaving the liquid components to be treated by normal disposal methods for aqueous waste.

FEATURES



Safe chemical treatment and physical removal of black powder



No risk of generating toxic H₂S gas



Changes colour to indicate successful treatment

APPLICATION

Pyrogel is usually supplied as a two part mixture; Pyrogel Base and Pyrogel Activator. The activator is added at 10% of the gel volume on site prior to pumping.

When being used in a pipeline Pyrogel should ideally be used in conjunction with mechanical brush pig. The pig will scrape the black powder from the pipewalls where it will become entrapped and treated by the active gel. At ambient temperatures treatment time can take up to 48 hours .

Supplied in 200L drums, 1000L IBC or in bulk in offshore tote tanks.

