

Carbonite C

Carbonite C is a pure asphalt also called Uintaite. It is a mined mineral, glossy black asphaltic, hydrocarbon resin with a low SG (1.05-1.06). It occurs in very pure states compared to other asphalts and has softening points ranging from 300° to 482°F (150° to 250°C) depending upon the BHT to be encountered. In the Oil & Gas industry it is used in drilling fluids and cementing. **Carbonite C** is chemically inert, insoluble in water, providing a deformable solid in drilling fluids and cement. **Carbonite C** provides formidable advantages both technically and commercially.

Cementing

Provides Low Slurry Density
Improves Compressive Strength
Compatible with Additives as Chemically Inert
Protects Against Slurry Dehydration
Effective in High Temperatures
Helps Scour the DF and Filtercake
Helps Prevent Loss Circulation

Carbonite C is typically used at 10 – 50 lbs/sx of cement.

Carbonite C comes in 50 lb sacks (22.5 kg) with 55 sacks per pallet.

As a gilsonite, **Carbonite C** is non-toxic, non-carcinogenic, and non-mutagenic. Under the CEFAS system in the North Sea it is rated as “E”, the highest environmental rating. And in the US, passes the Gulf of Mexico EPA discharge requirements for deepwater operations.

Typical Specifications

Resins + Saturates (Aliphatics / Alkanes)	29%
Asphaltene	69.5%
Ash	1.5%
Solubility in N-Heptane	29%
Solubility in White Spirit	93%
Solubility in Toluene / Xylene	98.5%
Solubility in CCl ₃	98%
Loss of Mass (ASTM D6) @ 163°C in 5 hours	0.19%
Loss of Mass @ 263°C in 4 hours	19.64%
Volatile Matters @ 750°C / 7 minutes	64.01%
Carbon Content @ 750°C / 7 minutes	23.37%