



DeCAL 5030 & 5032

Foam Control Agents for Water Based Systems.

DeCAL 5030 and **5032** are designed to release bubbles and control foam generated in a wide range of aqueous systems containing surfactants. They are blends of non-ionic surfactants and hydrophobes in a highly refined mineral oil. They are non-silicone based.

1. Typical Properties.

Appearance (20 °C) :	Opaque, low viscosity liquids
Colour :	Dark amber
Solubility :	Dispersible in water
Specific gravity at 20 °C :	Approx. 0.87
Volatile Organics : (100°C for 1 hour)	<0.5%

These characteristics are not specifications.

2. Applications.

Water-based Paints

Aqueous paints have an inherent tendency to aerate and foam due to the presence of emulsifiers in resin binders. Wetting agents, thickeners and other effect surfactants all help to sustain bubbles once created. **DeCAL 5030** & **DeCAL 5032** effectively combat air entrainment and foam, by promoting bubble coalescence in the bulk, and bubble breaking at the surface.

The choice of antifoam will predominantly depend on the binder type in the paint, with factors such as pigment volume concentration and paint viscosity playing their part, especially with the actual dosage level required. Selecting the most cost effective antifoam for a particular paint is very much a practical exercise. (Screening could be carried out in the Devine Chemicals Limited laboratory.)