



RADIANT **CHEMICALS**

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RHINOL -1100

(Silicone based Paraffin & PE Wax Emulsion)

In the surface coating industry waxes are widely used to modify surfaces by providing water repellency, scratch and mar resistance. These waxes are provided in different forms such as wax emulsion, wax dispersion & micronized powders. Wax emulsion is a stable homogenous dispersion of wax (mix of paraffin & polyethylene wax and various additives) and water with no solvent. The particle size of a wax emulsion is normally less than one micron. The main functions of wax emulsion in the water borne exterior coating are by adding or modifying the following properties ::

- ✓ To improve weather ability & slip.
- ✓ Water resistance.
- ✓ Rub resistance.
- ✓ Lubricity.
- ✓ Eggshell finish.
- ✓ Anti fungal.
- ✓ Corrosion resistance.

Physical Properties

Appearance	:	Homogenous translucent paste.
Wax Content	:	30%.
Solid Content	:	50 ± 2%.
pH	:	6.0 - 8.0
Ionic Nature	:	Nonionic.
Particle Size	:	Less than one micron.
Addition	:	1% - 3% w/w.

Order of Addition

The orders of addition of various materials are very important. Agglomeration can be prevented and over all stability maximized if Preferably RHINOL - 1100 is added at the last stage under stirring and controlled pH.