

# PINNACLE<sup>®</sup> 1401

Micronized Polyethylene Wax

## PRODUCT DESCRIPTION

Pinnacle 1401 is used to improve the surface properties of offset, solvent-borne, and 100% solids inks. Pinnacle 1401 can also be used in paints and coatings and will provide similar surface properties.

## FEATURES/BENEFITS

- Easy to disperse
- Increased slip
- Improved rub resistance in inks
- Improved block resistance in coatings and inks
- Increased scratch and mar resistance in coatings
- Reducing sedimentation of silica matting agents in coatings

## PHYSICAL CHARACTERISTICS\*

Appearance	Fine white powder
Chemical type	Polyethylene wax
Particle size (µm)	Dv50 ≤ 7
Laser Diffraction	Dv90 ≤ 14
Wax melting point °C (F)	105 (221)

## TYPICAL APPLICATIONS

Pinnacle 1401 is useful for a variety of applications including:

- Flexographic inks
- Gravure inks
- Sheet fed and heat set offset inks
- UV curable coatings and inks
- NC combination coatings
- Polyurethanes coatings
- Acid cured coatings
- Alkyd paints

\* Property values represent typical results only and are not to be considered specifications.

- Addition levels**
- To improve surface properties in inks (slip, block resistance, rub), the recommended addition level of Pinnacle 1401 is 0.25 to 2.0% based on total formula weight. It is recommended that overcoat ability is checked in critical cases, especially at higher addition rates.
- To improve slip and scratch resistance properties in paints and coatings the typical addition level of Pinnacle 1401 is 0.5 to 1.5%, based on total formulation weight. For high-gloss coatings, total additive content should be kept below 0.5%.
- To produce a semi-gloss finish in coatings, the recommended addition level of Pinnacle 1401 is 1-2.5%, based on total formulation weight. Combinations with silica products can provide synergistic results.

## SHELF LIFE/STORAGE

For shelf life information please refer to the packaging label and the Certificate of Analysis. It provides the date of manufacturing (DOM) and a recommended re-test date (RRD). The RRD for Pinnacle 1401 is 730 days after DOM.

Material should be stored on pallets in closed areas. A storage temperature of 30°C should not be exceeded.

Pinnacle 1401 is packaged in 15 kg (33 lbs) bags, palletized.

## REGULATORY STATUS

Please see the product's current safety data sheet, SDS, for regulatory information. You can request an SDS at [www.lubrizolcoatings.com](http://www.lubrizolcoatings.com).