



NUMBER 4835 (Supersedes CA-DD-019A)

Strodex™ KM-400LV phosphate ester surfactant

For Waterborne Architectural Coatings and Colorants

Strodex KM-400LV surfactant is the neutralized (potassium salt) form of a phosphate ester of an alcohol. It is designed to impart excellent low water sensitivity and stability to latex paints. It is particularly beneficial in paints incorporating zinc oxide or other reactive pigments. Strodex KM-400LV surfactant is also beneficial for inhibition of corrosion, flash rusting and nail head rusting. Strodex KM-400LV surfactant does not contain any alkyl phenol ethoxylates (APEOs).

In addition to use in latex paint, Strodex KM-400LV surfactant provides significant benefits in universal colorants to help disperse and stabilize the pigments and enhance color acceptance for water-based paints tinted at the point of sale.

Strodex KM-400LV surfactant is offered as a neutralized alternative to Strodex MO-100 surfactant.

Typical Properties

Chemical type.....	Phosphate Ester (anionic)
Appearance.....	Clear light yellow to amber liquid
Solids, weight %.....	78 ± 2%
Water, weight %.....	22 ± 2%
Gardner color.....	6 maximum
Viscosity ^(a) , as supplied (cps or mPa·s).....	105
Density, g/mL.....	1.17
Density, lb/gal.....	9.8
pH, as is	9.0 – 10.0
Flash point ^(b)	> 200°F (93°C)
Low temperature cloud point °C/°F	<+5 / +41

Values are typical properties and are not to be regarded as product specifications.

^(a) Brookfield RVT viscosity at 25°C (77°F), spindle #2 at 50 rpm.

^(b) Tag closed cup

Product Benefits

- Increases gloss
- Stabilizes ZnO pigments
- Enhances color properties
- Improved substrate wetting
- Inhibition of flash and nail head rusting
- Excellent wetting and dispersion of pigments

Recommended Use Levels

- In flat, semi-gloss and gloss paints, 2 -14 pounds of Strodex KM-400LV surfactant per 100 gallons of finished paint are recommended.
- In universal colorants, 5 -15% by weight of Strodex KM-400LV surfactant is recommended.



Storage and Handling

Under normal storage conditions (between 41°F / 5°C and 100°F / 38°C in closed packaging), Strodex™ KM-400LV surfactant has good chemical stability.

Strodex KM-400LV surfactant does not require freeze protection but should be mixed thoroughly if exposed to temperatures less than 32°F / 0°C. Product viscosity will increase when stored at low temperatures.

Review the Safety Data Sheet (SDS) for additional information.

Strodex KM-400LV surfactant is formulated as solvent-free. The Volatile Organic Compound (VOC) content measured by an enhanced ASTM D-6886 (GC method) is < 0.1%.

APEO Content

Strodex KM-400LV surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Packaging

Strodex KM-400LV surfactant is available in 5 gallon pails, 55 gallon drums, and Intermediate Bulk Containers (IBCs). Samples are available upon request.

Important Information

Ashland maintains Safety Data Sheets of all of its chemical products. Safety Data Sheets contain health and safety information relevant for your development of appropriate product handling procedures to protect your employees and customers.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Ashland products in your facilities.