CVC Thermoset Specialties

An Emerald Performance Materials Company

TECHNICAL BULLETIN

Nychem® 1800X73
Specialty Styrene-Butadiene Latex

DESCRIPTION

Nychem® 1800X73 is a Specialty Styrene-Butadiene Latex. It utilizes a specialty surfactant system for a high surface tension latex with improved resistance to rewetting. It can be used as a temporary peelable coating or maskant for the aerospace industry with excellent alkali resistance. It is often used in conjunction with other compatible water based polymers to modify toughness, durability, and hydrophobicity.

The specialty styrene butadiene latex provides excellent water resistance and provides good flexibility and impact resistance with improved adhesion to metal substrates. Additional toughness, abrasion, and chemical resistance can be further enhanced though vulcanization using a sulfur donor.

FEATURES

- Adhesion to metal
- Excellent water resistance
- Friction modifier
- Polar solvent resistance

END USE/APPLICATIONS

- Water Resistant Coatings
- Maskant or Peelable Coatings
- Chemical Millings

TYPICAL PROPERTIES

pH	8-to-10
Total Solids (Wt.%)	38-to-42
Brookfield Viscosity, cps.@ 25 °C	< 100
Surface Tension, dy/cm	55-to-85
Bound nitrile, %	0
Bound styrene,%	64
Tg, °C	10

HEALTH & SAFETY PRECAUTIONS

Read the Nychem 1800X73 Safety Data Sheet before handling, storing, or using this product.

STORAGE/HANDLING

Nychem latexes are aqueous dispersions of colloidal polymer particles. They are subject to freezing and to gelation. Frozen latex cannot be salvaged.

Gelation may occur at temperatures below 60 °F. Gelled latex should be placed in a heated room and warmed gradually. Gentle stirring after heating helps break the gel.

PACKAGING/DELIVERY

Nychem 1800X73 is available in drums, totes, and bulk shipments.

CVC Thermoset Specialties
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To obtain samples of Nychem 1800X73, or any other Nychem product, please visit our website at www.cvcthermoset.com. To discuss your application please contact us directly at 888.889.9150.

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