



## PRIMAL™ TT-615 Thickener

HASE Thickener

### Regional Product Availability

- Asia-Pacific / Japan

### Description

PRIMAL™ TT-615 Thickener is an alkali swellable acrylic polymer emulsion used as either a primary or ancillary thickener in coatings. This product offers viscosity build comparable to high molecular weight HEC thickeners at low shear levels. Viscosity is developed by neutralization to a pH of 7 to 10. PRIMAL TT-615 Thickener offers greater roller spatter resistance than cellulose thickeners, but with a more pseudoplastic rheology profile. The liquid physical form of PRIMAL TT-615 Thickener facilitates its incorporation into grinds and letdowns.

### Key Features

- Facilitates the formulation of textured finish paints.
- Excellent sag resistance.
- Very good resistance to roller spattering.
- Low viscosity, water-based emulsion.
- Excellent film build capability.
- Resists microbe and enzyme attack.

### Benefits

- Offers improved application properties and cost effectiveness than cellulosic thickeners.
- Easy to handle and incorporate into formulations.
- Facilitates the formulation of stable latex paints.

### Typical Properties

(These properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	30.0
Density, wet, (g/ml)	1.05
pH	2.7
Viscosity (Brookfield LV #1, 60 rpm, 25 °C), cps	< 350
Stabilization	Anionic
Chemical type	HASE (hydrophobically modified alkali-soluble emulsion)
Storage precautions	Protect from freezing
Equivalent weight*	218

\* Weight of polymer solids exactly neutralized by 40 grams of solid Sodium Hydroxide.

**Product Addition**

PRIMAL™ TT-615 Thickener is an alkali swellable thickener, which achieves its thickening effect when it is neutralized. When added full strength to the letdown, care must be taken to avoid local shock or gross paint instability. There must be sufficient base in the system before addition of PRIMAL TT-615 Thickener to fully neutralize the thickener and still remain on the alkaline side over the normal shelf life of the paint. PRIMAL TT-615 Thickener should be added slowly with good agitation. If this approach is not sufficient, PRIMAL TT-615 Thickener can be diluted 1:1 or 2:1 with water prior to addition to the letdown to reduce the chance for shocking.

## Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

## Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

## Disposal

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Coating Materials Technical Representative for more information.

## Chemical Registration

Many countries within the Asia-Pacific require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. Dow does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

## Note on Asia-Pacific Product Line

Product availability and grades vary throughout the countries in Asia-Pacific. Please contact your local Dow Coating Materials representative for further information and samples.

## Product Stewardship

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## Customer Notice

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