



ACRYSOL™ ASE-60 Alkali Soluble Anionic Thickener

Description

ACRYSOL™ ASE-60 Alkali Soluble Anionic Thickener is an acid containing, acrylic emulsion copolymer. As such, when the emulsion is diluted with water and neutralized with a base, the polymer becomes soluble. Under these conditions, the emulsion clarifies and becomes highly viscous.

ACRYSOL™ ASE-60 Thickener is effective at increasing low shear rate (Brookfield) viscosity, resulting in coatings that have highly shear thinning characteristics.

Coatings formulated with ACRYSOL™ ASE-60 Alkali Soluble Anionic Thickener as a sole thickener exhibit a high yield value or gel structure. This structure develops upon removal of shear, hence ACRYSOL™ ASE-60 Alkali Soluble Anionic Thickener is suited to the development of moderately textured paints and other such coatings.

As ACRYSOL™ ASE-60 Alkali Soluble Anionic Thickener is non-cellulosic, its polymer is very resistant to bacterial or enzymatic degradation, resulting in long term paint viscosity stability. Other benefits to the manufacturer include reduced roller spatter compared to high molecular weight cellulosic thickeners

ACRYSOL™ ASE-60 Alkali Soluble Anionic Thickener is recommended for use in textured paints, or as a secondary thickener to control sagging.

ACRYSOL™ ASE-60 Thickener can be used in both interior and exterior applications, but for applications where water resistance is important, we suggest formulators optimize their formulations to minimize potential blistering which can occur due to the anionic nature of this product. Where superior water resistance is required, we recommend the use of nonionic associative rheology modifiers such as ACRYSOL™ RM-725 Rheology Modifier.

Typical Properties

(The following properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Milky White Emulsion
Chemical Type	Anionic
pH	2.7
Solids, %	28.0
Specific Gravity, @ 25°C	1.054
Viscosity Neutralized	4,500 cPs
Storage Requirements	Protect from freezing

**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 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. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

**Product
Stewardship**

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