

RHEOLATE® 350 D

Associative Rheological Additive

Low-Odour, VOC-Free Polyether Polyol Based Associative Rheology Modifier for Latex paints and Other Water-Borne Systems

GENERAL INFORMATION

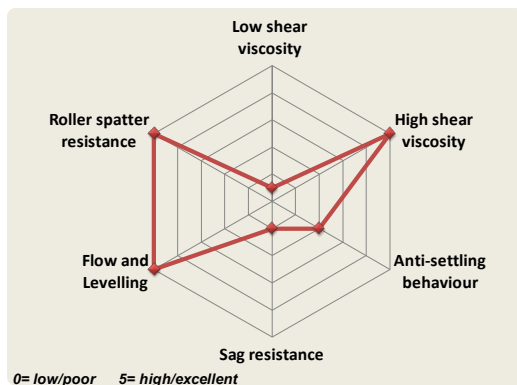
RHEOLATE 350 D is a 50 % active polyether polyol-based associative thickener designed to impart high-shear viscosity in conventional latex and water-reducible systems.

RHEOLATE 350 D has low-odour and is a VOC-free, high-performance, non-ionic associative thickener.

It provides exceptional flow and levelling and is particularly suitable for use with small-particle-size resins in gloss and semi-gloss paints. **RHEOLATE 350 D** imparts viscosity in the high-shear-rate region improving film-build and providing the related increased hiding power.

RHEOLATE 350 D be used alone or, if greater mid-shear-rate viscosity is required, with a co-thickener.

RHEOLATE 350 D has outstanding colour acceptance and stability. In addition it does not impair recoatability, intercoat adhesion or blocking resistance.



CHEMICAL & PHYSICAL PROPERTIES

Composition	polyether polyol solution
Color Gardner	-1 to 3
Density	1.02 g / cm ³
Viscosity	100 - 8000 mPa·s Brookfield RVT, spindle 4, speed 20 rpm, @25 °C (77 °F)
Solvent	water

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Latex or dispersion paints
 - gloss
 - semi-gloss / satin
 - matt
- Water-reducible paints
- Adhesives
- Sealants
- Inks

KEY PROPERTIES

Low-odour

VOC-free

Rheology

- high high-shear viscosity
- suspension flow and leveling
- syneresis control

Paint performance

- superior gloss
- exceptional color acceptance and stability
- excellent wet and dry film adhesion
- increased film weight
- good recoatability
- good block resistance

Stability

- freeze / thaw resistant
- enzyme resistant

INCORPORATION

RHEOLATE 350 D can be used as supplied, or if required, diluted with water or glycol for easier incorporation. Addition can take place at any point in the paint manufacturing process. It can be post-added. However, addition before dilution of the mill-base is recommended.

RHEOLATE 350 D contributes mainly to high-shear-rate viscosity and can be used to modify the rheological properties of other thickeners

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RHEOLATE® 350 D

including cellulose, polyacrylates (ASA and HASA), clays and urethane associative thickeners. Information regarding its co-use with other RHEOLATE, BENTONE and BENAQUA rheological additives is available upon request.

LEVELS OF USE

The typical levels of use for **RHEOLATE 350 D** are 0.5 to 5.0 % (as delivered), by weight of the system. To achieve optimum properties the system's surfactant blend may need modification. Further advice is available on request.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

RHEOLATE 350 D should be stored above 4 °C (40 °F) due to its water content.

In the event of accidental freezing, thaw gently, spread a portion between clean glass slides and examine for granules. If found, do not use.

SHELF LIFE

RHEOLATE 350 D has a shelf life of 2 (two) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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