



An ISO 9001 & 14001 Certified Company

Technical Data Sheet

RHEOFIL AT 140

Rheofil AT 140 is Hydrophobically Modified Alkali Swellable Emulsion. **Rheofil AT 140** has very good compatibility with all the paint ingredients. It is specially processed rheological modifier for thickening latex coating. Formulator can use **Rheofil AT 140** with HEC and other types of thickener including PU thickeners.

Rheofil AT 140 is very easy to handle and incorporate into the system. It can be added at different stage as long as paint system is sufficiently alkaline during the incorporation and sufficient mixing is available. It could be incorporated either at mill base stage before or after addition of pigment and extender to give mill base consistency or at the let down stage.

Rheofil AT 140 works very efficiently in an alkaline nature so it is recommended that pH of the paint system should be between 9.0 -9.5 before addition of this thickener.

APPLICATION AREAS:

- ✓ **Rheofil AT 140** can be used in formulations of a wide range of later paint formulations and is particularly well suited for low-sheen interior formulations, including above CPVC low volume solids paint
- ✓ **Rheofil AT 140** can also be used in textured paints of high thickness application due to Rheofil AT 140's sag resistance property



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APPLICATION BENEFITS:

- ✓ **Rheofil AT 140** provides superior paint application properties like flow, leveling, and sagging
- ✓ It enhances paint quality with stable viscosity
- ✓ It does not affect gloss level of paint
- ✓ It Improves water resistance of the paint
- ✓ It is easy to incorporate during manufacturing process

PROPERTIES AND OBSERVATIONS OF RHEOFIL AT 140:

TYPICAL GENERAL PROPERTIES OF RHEOFIL AT 140	
PARAMETER	VALUE
Appearance	Milky White Emulsion
Chemical Type	Anionic HASE
Solid Content (150 ° C/ 20 min)	29.0 – 31.0 %
pH (as such)	2.0 – 5.0
Viscosity (Brookfield LVF #1/60)	< 50 cps

RECOMMENDED DOSAGE:

In general 0.2 - 0.75 % of **Rheofil AT 140** calculated on the total quantity of paint system will provide excellent results. The exact dosage will also depend upon the individual paint formulation.

STORAGE:

Rheofil AT 140 should be stored in tightly closed containers under shade. It should not be exposed to direct sunlight.



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SHELF LIFE:

It can be stored for one year from date of manufacturing as it possesses good storage stability.

DISCLAIMER:

The suggestion and data in this bulletin are based on information we believe to be reliable. It is offered in good faith, but WITHOUT GUARANTEE, as the conditions and methods of the use of our products are beyond our control. We ALWAYS recommend that the prospective user should determine the suitability of our products and suggestions on an experimental basis first, Before ADAPTING on a commercial scale.

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