RHEOPOL® A80

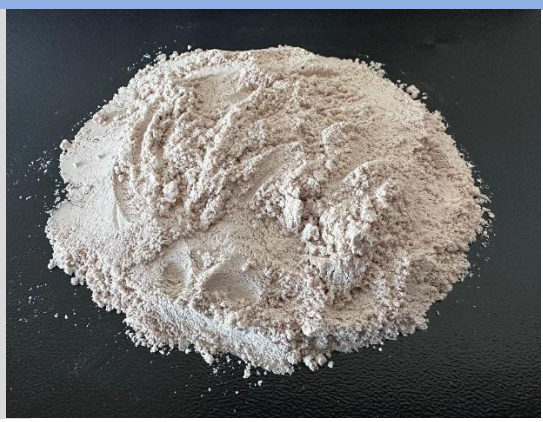
Excellent thixotropic and pseudoplastic agent

DESCRIPTION

RHEOPOL® A80 is a high-performance sepiolite-based additive that provides exceptional thixotropic and pseudoplastic behavior in water-based systems. It enhances formulation stability, improves application properties, and ensures controlled flow and consistency.

With its high absorption capacity and strong interaction with polymers, **RHEOPOL® A80** integrates easily into formulations—either during dispersion/mixing or as a pre-gel. Its ability to create highly homogeneous systems boosts the effectiveness of key formulation components, enabling dose reduction and overall cost savings.

The recommended dosage of **RHEOPOL® A80** varies depending on the system, typically ranging from 0.05% to 2%. To achieve optimal performance, pre-wetting followed by high-shear mechanical agitation is strongly recommended.



PROPERTIES

RHEOPOL® A80 ensures uniform distribution of fillers, solvents, and other components by effectively controlling the flow behavior and consistency of the system. Suspensions formulated with **RHEOPOL® A80** remain stable even under high electrolyte conditions, across wide pH ranges, and at elevated temperatures.

RHEOPOL® A80 provides superior thixotropic and pseudoplastic performance:

- At rest: It builds high consistency, delivering strong suspending power and excellent resistance to settling, sedimentation, or sagging.
- Under shear: Viscosity drops rapidly, facilitating easy manual or mechanical application, spreading, and leveling.

APPLICATIONS

- Water-based paints
- Suspending agent for liquid additives
- Asphalt sheets and emulsions
- Foundry coatings
- Friction materials
- Gaskets
- Sealants and mastics
- Cement and gypsum admixtures

Product Information	
Colour	Cream
Appearance	Powder
Packing	Available in 20 kg bags and 1000 kg Big Bags
Storage	Dry conditions/protected from humidity

Physical – Chemical Properties[1]	
Mineralogic Composition	Hydrous magnesium silicate (Sepiolite)
Moisture [2]	< 13 %
PH	8.5 ± 0.5
Bulk Density	600 ± 50 g/l
Brookfield Viscosity (mPa·s)[3]	>33.000
Particle Size Distribution	D50 : 180 – 500 µm Residue on 710 µm : < 2%

1 Applicable to the whole batch.

2 Measured at the packing stage and can vary according to relative humidity during the transport and storage.

3 Measured at 5 rpm with 7% of dried substance collected from the batch.

POLSEP

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