

RHEOPOL® A20

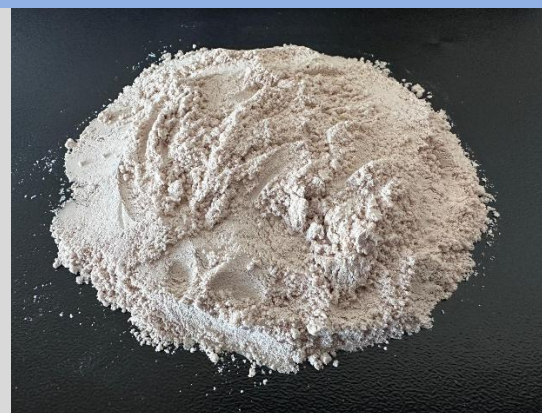
Excellent thixotropic and pseudoplastic agent

DESCRIPTION

RHEOPOL® A20 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® A20** 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® A20** varies depending on the system, typically ranging from 0.05% to 2%. Pre-wetting followed by high-shear mechanical agitation enhances performance.



PROPERTIES

RHEOPOL® A20 ensures uniform distribution of fillers, solvents, and other components by effectively controlling the flow behavior and consistency of the system. Suspensions formulated with **RHEOPOL® A20** remain stable even under high electrolyte conditions, across wide pH ranges, and at elevated temperatures.

RHEOPOL® A20 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 Properties¹

Mineralogic Composition	Hydrous magnesium silicate (Sepiolite)
Moisture ²	< 13 %
PH	8.5 ± 0.5
Bulk Density	500-600 g/l
Specific Surface Area BET ³	200-250 m ² /g
Brookfield Viscosity (mPa·s) ⁴	> 25.000
Particle Size Distribution	D50 : 45 – 150 µm Residue on 197 µm : < 5%

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 Test method EN 9277

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