

RHEOPOL® A20

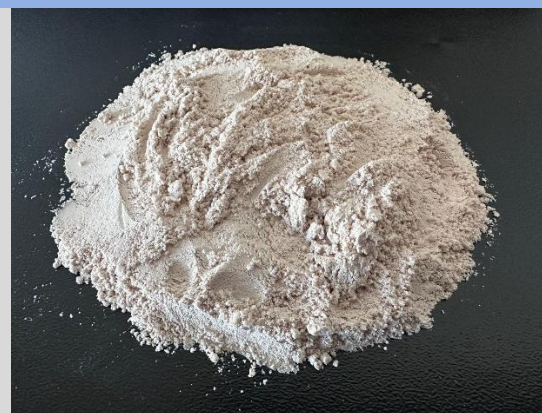
Excellent thixotropic and pseudoplastic agent

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

| | |
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| 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.