Enova aerogel is an innovative fine particle silica-based aerogel, highly treated to create a hydrophobic material with an extremely large surface area. Combined with its high porosity and complete treatment, its unique chemistry makes Enova aerogel an ideal solution for a variety of low gloss and light diffusion formulations, including 100% UV-curable systems. As a global leader providing solutions for over 130 years, Cabot partners with customers to deliver advanced products that address tomorrow’s challenges.

Enova aerogel provides a wide range of benefits for matte finish coatings:

- Unmatched compatibility with resins and solvents
  - Standard incorporation methods
  - Superior dispersion uniformity
  - High transparency, clarity
  - Greater formulation flexibility
- Highly efficient matting at exceptionally low loading (<3%)
  - Reduced coating formulation cost
  - Increased freedom to incorporate other performance additives
  - No anti-settling additives needed
- Long coating lifetime in exterior applications
- Minimal moisture adsorption
- Long storage shelf life
- Limitless application possibilities
- Enables reduced-VOC formulations

Enova aerogel delivers substantial performance advantages in matting applications:

- Advanced rheology modification
- Enhanced oil absorption
- Extreme hydrophobicity
- High porosity
- Unmatched light diffusion
Enova aerogel represents a new class of hydrophobic silica particles distinguished by:

- Porosity - 2-4x higher than traditional silicas
- Surface area - 2-5x higher than traditional silicas
- Surface chemistry
- Morphology
- Coating clarity

Unique combinations of these characteristics create opportunities to improve performance in a variety of coatings applications.

Silica Blending

Certain formulations will benefit from a blending of Enova aerogel with other silica-based matting agents or waxes, often in a 1:3 to 1:5 ratio.

Contact us for more information including specific coatings formulations.