



KROSSLINKER

QuintAero®

SILICA AEROGEL PARTICLES

| TECHNOLOGY OVERVIEW

KrossLinker's QuintAero® Silica Aerogel particles, are super-insulating, ultra-lightweight additives used to enhance a plethora of product categories. Innovated and manufactured through KrossLinker's patented ASPIRE® platform technology, aerogel is now made accessible and affordable for a spectrum of applications.

Inherently non-combustible and super-hydrophobic, QuintAero particles boast a highly robust, porous nano-structure, to yield one of the lowest thermal conductivities in the market. Its unique combination of properties, versatility and customizable forms allow QuintAero to be integrated into a diverse set of end solutions.

| PRODUCTS & APPLICATIONS



Paints & Coatings

Building & Construction

- Intumescent coatings
- Insulating Paints
- CUI barrier
- Safe touch coatings
- Decorative coatings

Battery Electric Vehicles

- Thin, high-performance heat Insulation and fire barrier coatings for battery systems

Aerogel Composites

Building & Construction

- Aerogel infused building materials
- Super-insulating blankets & boards

Electric Vehicle

- Protective composites as thermal runaway barrier

Industrial Insulation

- Cryo & Pryo tanks and pipeline insulation
- Oil & Gas



QuintAero® expanding the scope of insulation

- Super Insulating
- Ultra Hydrophobic
- Light weight
- Non-combustible
- High degree of light diffusion
- Customizable particle forms, powders & granules

MATERIAL PROPERTIES

Thermal Conductivity
12 to 16 mW / m.K

Specific surface area
600 - 800 m²/g

Density
80 - 120 kg/m³

Porosity:
>95%

Pore Diameter:
~20 nm

QuintAero® 1000



Silica Aerogel Granules
Particle size <1000µm

QuintAero® 100



Silica Aerogel Powder
Particle size <100µm