

## Siliporite® molecular sieves for coatings, adhesives, sealants and elastomers



**Siliporite® molecular sieves are superior desiccants for polyurethane systems and metallic paints. Thanks to their excellent adsorption and consistency, they extend the pot life and provide a perfect surface finish.**

### Polyurethane systems

#### Why using a Siliporite® molecular sieves?

- Water, even in traces, readily reacts with the isocyanate groups to form CO<sub>2</sub> and creates instability of the system.
- Moisture is present on the substrates in contact with the PU system, or brought into the system by the polyol and the additives (such as pigments, fillers, etc.).
- Molecular sieves are the most powerful moisture scavengers there are: they adsorb water at very low concentrations.

#### Main applications

- flooring
- spray coating
- adhesives and sealants
- industrial coatings
- pipe and tank coating
- electrical parts (embedded components)

#### Benefits of using Siliporite® molecular sieves

- eliminate foaming or bubbling and associated surface defects
- extend shelf and pot life
- enhance surface finish and hardness
- reduce weathering effects such as cracking and blistering

#### Why use CECA's Siliporite® range??

- easy to incorporate
- high water adsorption capacity
- consistent viscosity
- consistent pot life
- no color imparted to the system
- free of agglomerates

### Metallic coatings for marine and anti-corrosion applications

#### Why use Siliporite® molecular sieves??

- Paints containing metallic compounds such as zinc, tin or copper for bacteriostatic purposes require a water-free formulation.
- Water, even in traces, readily reacts with these metals to form hydrogen gas.
- Siliporite® molecular sieve should be added to the formulation in order to ensure its stability during storage.

#### Why use CECA's Siliporite® range??

- easy to incorporate
- high water adsorption capacity
- consistent viscosity
- consistent pot life
- no color imparted to the system
- free of agglomerates

**Benefits of using Siliporite® molecular sieves**

- eliminate hydrogen gas formation
  - extend shelf and pot life
  - eliminate the risk of container bulging and bursting
- 

**Siliporite® activated powders : easy to use, high performance and consistent****A full range of molecular sieves**

CECA has developed a full range of molecular sieves in powder form to solve your moisture problems.

**Siliporite® activated powders**

- Siliporite® NK30 should be used when gassing and bubbling elimination is important,
- Siliporite® SA 1720 is the best material for pot life management,
- Siliporite® NK10 is the most effective scavenger when pot life and gassing are not the main issues.