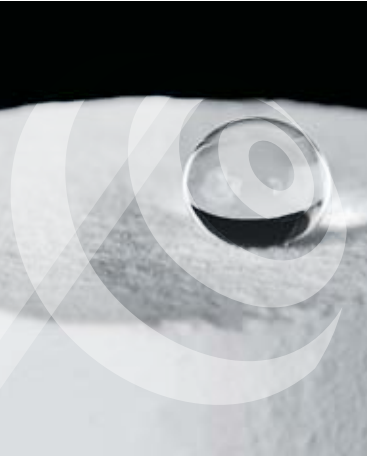




SUPER OIL & FUEL ADSORBANT

 **activeaerogels**

*Oleophilic and fully hydrophobic
aerogel offering exceptional
properties for pollutants removal*

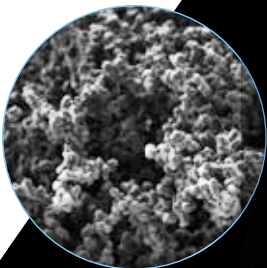


OUR PRODUCT

Active Aerogels develops and produces highly porous materials suitable for pollutants sorption. These aerogels can be used for oil/fuel-spill remediation and wastewater treatment, namely for adsorption of phenolic compounds and hydrocarbons removal.

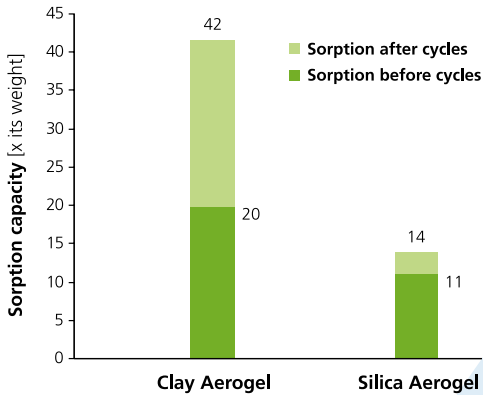
- ▶ High specific surface area
- ▶ Low density
- ▶ Highly hydrophobic
- ▶ Oleophilic
- ▶ Low thermal conductivity
- ▶ Low dielectric constant
- ▶ Low environmental impact
- ▶ Cost effective

Our products are synthetic, lightweight materials, with a porosity above 90% and high specific surface area. They are available in panels, powder and beads.





Crude oil sorption



Adsorption of phenolic compounds

	Silica Aerogel SILFILLER
Phenol adsorption (500 ppm initial concentration) [mg/g]	> 26
p-Cresol adsorption (500 ppm initial concentration) [mg/g]	> 42

- ▶ Selective adsorption;
- ▶ Removal > 60% ;
- ▶ Thermal Regeneration: 95% efficient (4 cycles tested);





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CENTRO 

 **PORTUGAL**
2020



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