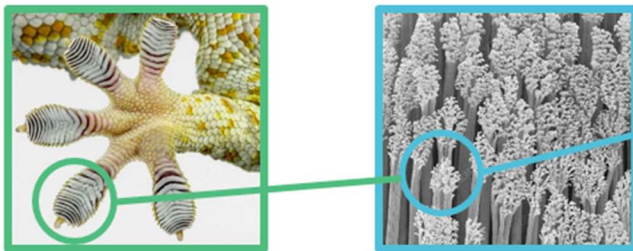




THE NEXT STEP IN ADHESIVE EVOLUTION

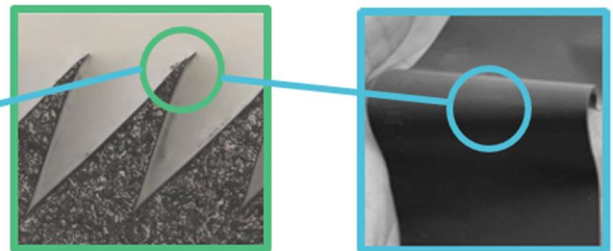
geCKo Materials produces **reusable, zero-energy,** directional Dry Adhesive for a variety of **military, space** and **commercial** applications.

Gecko Feet



The unique geometry of our Dry Adhesive mimics the gecko's foot structure creating their signature no-residue grip. Our micro wedges replicate the soles of their feet that are covered in "hairs" called setae.

geCKo Materials Dry Adhesive



Each wedge tip, 1/100 of a human hair thickness, engage in shear using van der Waals force, not suction. A one square inch tile of our Dry Adhesive is covered in over 400 wedges that can hold 15 lbs. 6 tiles can pull a car !

Dry Adhesive Capabilities



Reusable up to 120,000 times; no residue



Requires No Energy or Force to Attach/Release



Hold ~120kPa in Shear Strength



Food-Safe/ Medical Grade Silicone



Attach and Release in Milliseconds



Temperature Operating Range - 115C to +350C



Dry Adhesive successfully deployed on the International Space Station (ISS)

- Ability to grasp glass, solar panels, and other non-ferrous materials; no force to detach
- Efficient object manipulation in space
- Listed on FedBizAccess.com and SAM.gov government approved material buy list sites
- Temporary and long-term holds; no residue
- Lowers payload cost
- Reduce s Size, Weight and Power (SWaP) requirements; reduce costs
- Works in any barometric pressure
- Patented IP for both product and manufacturing processes



Defense & Space