

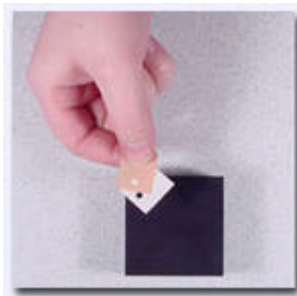
PSTA Adhesive for Room Temperature Adhesion of Interface Materials to Substrates

PSTA (Pressure Sensitive Thermal Adhesive) is an adhesive system that can be used with ORCUS FSF-52, FSF-98 or with Thermaphase on Kapton 52°C or Thermaphase on Kapton 98°. Since FSF-71 material is naturally sticky it doesn't need any adhesive. But remember that FSF-71 material required higher closure force (also called "mounting force", "compression force", "contact pressure" and probably several other names). But let's not dwell on that, let's continue thinking Allegretto...

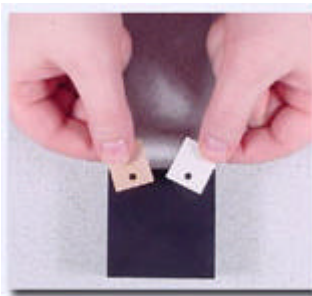
The nice thing about PSTA is several things...

- 1) It does not increase the thermal resistance of the thermal interface
- 2) After you have lightly pressed the pad on the heat sink, you will may find that you don't have the hole in the pad lined up with the hole in the heat sink. Our interface materials, with PSTA allow you to slide the pad on the heat sink to position it exactly.
- 3) With PSTA you don't have to preheat the heat sink, to adhere the thermal pad.

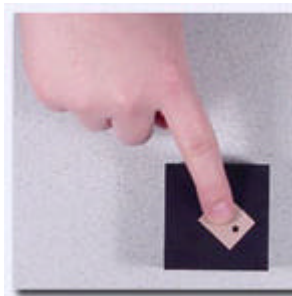
The general procedure applying PSTA FSF-52 and Thermaphase on Kapton parts having PSTA on one surface (or on both surfaces on special order) is shown below:



Remove release liner from PSTA side of interface



Lightly press pad down onto heat sink



If necessary, slide pad into exact position. If the parts are placed correctly, you won't need to do this step



Press down firmly on the pad

Now you can either remove the top release liner now, or send the heat sink off to somewhere and let them remove it.

PSTA is easy to use. It is "manufacturing friendly". It is non-toxic, not messy and doesn't increase the thermal resistance of the overall interface.

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Patents and Patents Pending. Thermaphase is a registered trademark of ORCUS inc.