

Thermal Materials

Suggested Thermal Interface Materials and vendors



Where to buy Thermal Interface Materials

AMD evaluates thermal interface materials for socketed designs. Lists of suggested materials tested by AMD and its vendors are provided in the following document.

Suggested Thermal Pads

Attention

If the heat sink needs to be removed, the thermal pad must be replaced with a new pad before re-installing the heat sink. The pad should always be placed on the cleaned heat sink so that it covers the processor die when the heat sink is installed.

Vendor	Web sites for European contacts	Suggested Interface Material
The Bergquist Company	www.bergquistcompany.com/where_to_buy.cfm	HF225UT
Chromerics	www.chomerics.com/sales/europe.htm	T725
Honeywell Electronic Materials	www.electronicmaterials.com/row/about/global_locations.html	PCM45
Power Devices Inc.	www.powerdevices.com/represent.htm	Powerfilm
Akasa ShinEtsu	www.sidewindercomputers.com/info.html	PCS-TC-11T-13
Thermagon Inc.	www.thermagon.com/contact.asp	T-pcm905C

For more information on approved thermal interface material, view the following documents:

- Builder's Guide for 2P Capable Servers and Workstations (PID 25823/A)
- AMD Thermal, Mechanical, and Chassis Cooling Design Guide (PID 23794/H)

Please always check the technical section of the AMD website for any updates to this information.

Thermal Grease

Thermal grease is only recommended for short-term use, for example CPU testing, where the heat sink is removed and attached multiple times over a short period. Thermal grease is not recommended for production builds due to the possibility of thermal pump-out of the grease over time. This may be caused by the difference in thermal co-efficiency between heat sink and CPU die, leaving no interface material between cooler and processor.

Attention

Thermal grease may not be used in conjunction with thermal pads.

AMD recommends the following thermal grease: **ShinEtsu G749**

Vendor	Web sites for European contacts
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Akasa **ShinEtsu**

www.sidewindercomputers.com/info.html

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