

Conductionaut extreme

High Performance Cooling Solutions – Made in Germany

„High Performance Cooling Solutions are Thermal Grizzly's trademark and our expertise. Conductionaut Extreme is the further development of our Conductionaut liquid metal thermal paste and is primarily aimed at PC enthusiasts who want to get the most out of their hardware.

Short information

- Optimised thermal conductivity compared to conventional liquid metal
- Increased material compatibility
- Optimal application due to metal needle
- Available in 1g or 5g syringes
- Attention: electrically conductive!
- Do not bring into contact with aluminium!

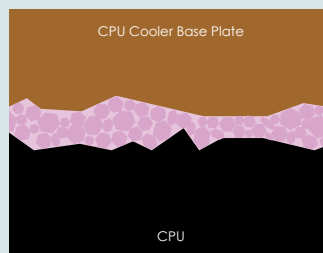


Optimised formula for maximum cooling performance: Conductionaut Extreme

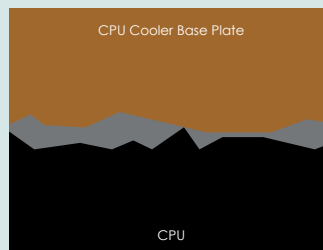
As a gallium-based liquid metal, Conductionaut already has ultra-high thermal conductivity. This already outstanding thermal conductivity could be expanded after extensive tests and with the help of a new material composition. Conductionaut Extreme consists exclusively of the metals gallium and indium. By dispensing with other alloying components, it is possible to increase the thermal conductivity by approx. 18 % compared to the standard product.

At the same time, the material compatibility has been improved so that, for example, no tin interactions can occur. Due to the slightly corrosive effect of gallium towards other metals, the application on nickel-plated copper radiators is recommended. Conductionaut Extreme must not be used in conjunction with aluminium heat sinks.

Unlike conventional pastes, Conductionaut Extreme does not contain any solid particles and can therefore fill even the smallest irregularities in the nanometre range and enables the minimum layer thickness for optimum performance.



Thermal Paste



Conductionaut extreme

Technical data

Unit:	Value/Description:
Density:	6.29g/cm ³
Application temperature**:	17 °C-150 °C
Operating temperature***:	-50 °C to 200 °C
Consistency****:	Liquid
Colour:	Silver
Thickness:	Variable
Silicone based:	No
Electrically conductive:	Yes
Typical application:	CPU, GPU, notebooks, IC

Item number:	EAN-Code:	Weight:	Package size:	*Net weight:	*Gross weight:	PU:
TG-CE-001-R	4260711990564	1 g	19x10x1 cm	4 g	18 g	40 Pcs.
TG-CE-005-R	4260711990557	5 g	19x10x1 cm	8 g	20 g	25 Pcs.

*Net weight is the total weight of an article excluding the weight of packaging and accessories. The gross weight refers to the total weight of the product including accessories and packaging. Slight weight deviations are possible due to production factors.

**Conductionaut Extreme can be applied to the surface in this temperature range. If the application temperature has been undercut during storage and transport, it is recommended to heat the product to at least 25°C beforehand. Do not use a microwave under any circumstances.

***The operating temperature corresponds to the temperature after application and may be lower than the application temperature. Very low temperatures can severely alter application and operation. Appropriate application tests and long-term tests are strongly recommended before any specific application.

****refers to a temperature range of 25 °C - 500 °C.

Tested in practice

ASUS has been using Conductionaut Extreme exclusively for the production of its top models of the ROG notebook series [[LINK: https://www.asus.com/news/ffub0k92c0xyi3tl/](https://www.asus.com/news/ffub0k92c0xyi3tl/)] since 2022 and thus rightly trusts in the outstanding performance of the liquid metal thermal paste. Besides ASUS, Conductionaut Extreme has also been tested by various professional overclockers and content creators from the tech tuber scene. After consistently positive feedback, Conductionaut Extreme is now available for all PC enthusiasts.

Scope of delivery

Conductionaut Extreme is supplied with a metal needle and a plastic needle. The metal needle enables a finely dosed application of the liquid metal, while too much applied liquid metal can be absorbed back into the syringe with the plastic needle. Two special, non-fluffy industrial cotton swabs are included for even distribution of the liquid metal.

- 1x syringe with liquid metal
- 1x metal needle
- 1x plastic needle
- 2x industrial cotton buds
- 2x alcohol pads

Quality without compromise: Made in Germany

Conductionaut Extreme is manufactured to the highest quality standards at our production site in Berlin. In the process, our expertly trained staff continuously monitor the entire production chain. From the testing of the purity of the raw material, the production of the liquid metal and the filling to the packaging, the production is subject to multiple quality controls.

Please note: Storage conditions

Thermal Grizzly Conductionaut Extreme should be stored in dry rooms and at room temperature in its original packaging. If the application temperature falls below a minimum of 17 °C during storage or transport, we recommend warming the product to at least 25 °C before use.

Trademark Information

Thermal Grizzly is a registered trademark.

Please note

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed as to release the users from doing their own tests and screening.

No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data. Please consider contacting us for further detail. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.