

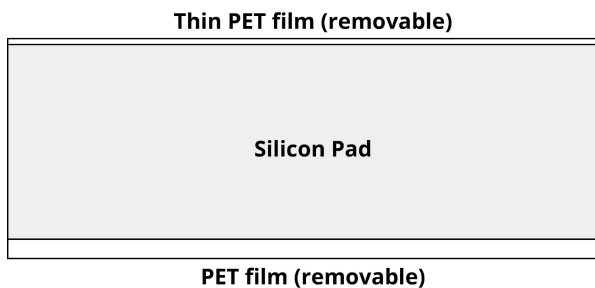
# EC360 GOLD

## Thermal Pad Series

The EC360® GOLD series presents the intermediate variant of high-performance thermal pads, which are on eye-level with premium thermal paste. The pads have an extraordinary thermal conductivity of 14.5 W/mK and are suitable for a variety of applications including CPUs and GPUs (that are cooled by thermal pads), memory chips and other electrical components. They perform particularly well for water cooling systems, as the pads have a putty like consistency, which means that they will deform and adapt permanently to the

surface they are applied to and will not spring back into their original shape. The slight adhesion of the pads allows for easy positioning. It is the perfect solution for heat-transfer in adverse surface conditions when the use of thermal paste is unsuitable. Handling is particularly safe, as the pads are electrically isolating and there is no risk of short-circuiting. Additionally, they can easily be cut using a scissor, which allows trimming to the perfect size for any surface.

## Cross-section view



A full silicone pad covered with a PET film on both contact surfaces for increased stability and easy installation. Both are to be removed for installation.

## Types and Configurations

| Thickness*      | Available sizes*                 |
|-----------------|----------------------------------|
| 0.5 mm / 0.02 " | 50x50 mm, 100x100 mm, 200x200 mm |
| 1.0 mm / 0.04 " | 50x50 mm, 100x100 mm, 200x200 mm |
| 1.5 mm / 0.06 " | 50x50 mm, 100x100 mm, 200x200 mm |

\* Custom configurations are available upon request, for worldwide industrial inquiries please contact us at: [sales@extremecool360.com](mailto:sales@extremecool360.com)

## Technical Properties

| Properties           | Unit                | Value                  | Test method |
|----------------------|---------------------|------------------------|-------------|
| Color                | -                   | red                    | Visual      |
| Thermal Conductivity | W/mK                | 14.5                   | ASTM D5470  |
| Specific Gravity     | g / cm <sup>3</sup> | 3.6                    | ASTM D 792  |
| Hardness             | Shore OO            | 60                     | ASTM D 2240 |
| Elongation           | %                   | 30                     | ASTM D 412  |
| Volume Impedance     | Ohm-cm              | 7,0 x 10 <sup>14</sup> | ASTM D 257  |
| Breakdown Voltage    | kV / mm             | 4.0                    | ASTM D 149  |
| Usable Temperatures  | °C                  | -50 - 150              | EN 344      |
| Flame Rating         | -                   | VO                     | UL 94       |

## Installation Recommendation

- Clean surfaces from dirt and other possible residue. If applicable, isopropyl 90% alcohol is recommended to ensure a clean surface.
- Remove one of the protective layers and place the exposed side of the thermal pad facing the surface of the chip. Once positioned gently press on it to make it stick. Remove the second protective layer and install the heatsink.