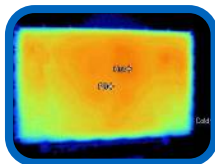
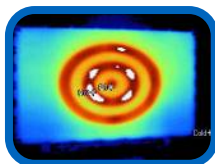
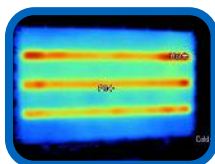


PDP APPLICATIONS

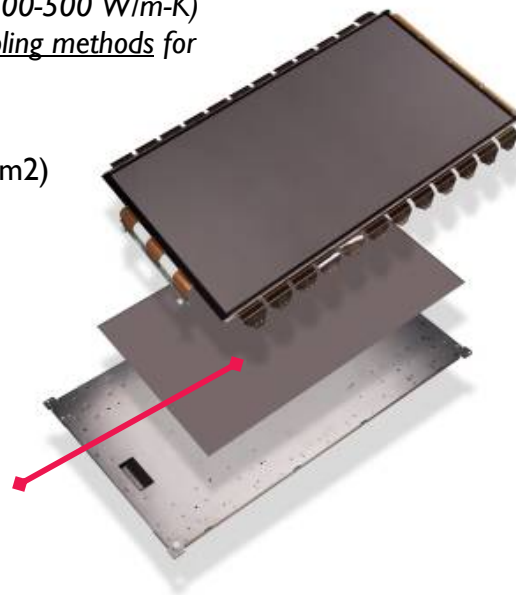
THERMAL SOLUTIONS FOR DISPLAYS



Several "white" patterns were tested to create hot spots.

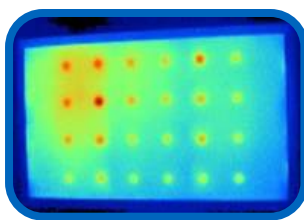
High thermal conductivity SPREADERSHIELD™ (300-500 W/m-K) heat spreaders significantly outperform current cooling methods for plasma display panels (PDPs).

- Reduces image sticking from hot spots
- Improves brightness (from 500 to 1000 cd/m²)
- Reduces risk of screen breakage
- Lowers mechanical stress
- Allows use of steel chassis



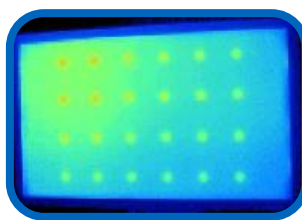
SPREADERSHIELD material is a cost-effective alternative to acrylic, silicone or aluminum spreaders.

PROVEN RESULTS



WITH ACRYLIC SPREADER

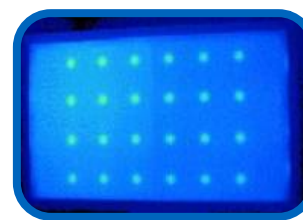
Tmax: 43.8°C



WITH SPREADERSHIELD
IN 260 W/M-K

Tmax: 38.0°C

▪ REDUCED BY 5.8°C!



WITH SPREADERSHIELD
IN 420 W/M-K

Tmax: 34.3°C

▪ REDUCED BY 9.5°C!

SPREADERSHIELD with higher thermal conductivity further reduces Tmax and improves temperature uniformity.

Email us at egraf@graftech.com to request a sample today!