



**SMT MATERIALS:
INNOLOT & HT1**

HIGH RELIABILITY ALLOYS – OVERVIEW

- › Heraeus Innolot and HT1 Series – Proven high reliability lead free alloys for PCB, DCB and Hybrid.
- › Innolot significantly improves the creep strength of solder joints with ceramic components like resistors and capacitors. Operating temperatures up to 150 °C are achievable.
- › HT1 is a lead-free solder paste that provides high reliability in applications using ceramic substrates or direct bonded copper (DBC). Operating temperatures up to 175 °C are possible.



SERIES	SMT660	SMT64x	SMT91121	SMT91123	SMT650	SMT5112
ALLOY	Innolot	SAC, Innolot, HT1	SAC, Innolot	SAC, Innolot,	SAC, Innolot	Innolot
STANDARD POWDER TYPE	Type 4	Type 3, Type 4	Type 3,4	Type 4	Type 4	Type 4
APPLICATION	Printing	Printing / Dispensing	Printing	Printing	Printing	Printing
KEY PROPERTIES	Solderable in air , high SIR, Halogen Zero, highly stable	Superior Wetting on a wide range of surfaces	Balanced wetting , Halogen activated	Halogen Zero, Anti Capillary	Halogen Zero, no ECM in flux for fine feature applications	Water souble

Key benefits:

- › Innolot and HT1 Series especially for demanding High Reliability requirements
- › Halogen Zero Versions
- › Superior Wetting Series for multiple finishes

INNOLOT AND HT1 SERIES FOR A HIGHER RELIABILITY – OVERVIEW

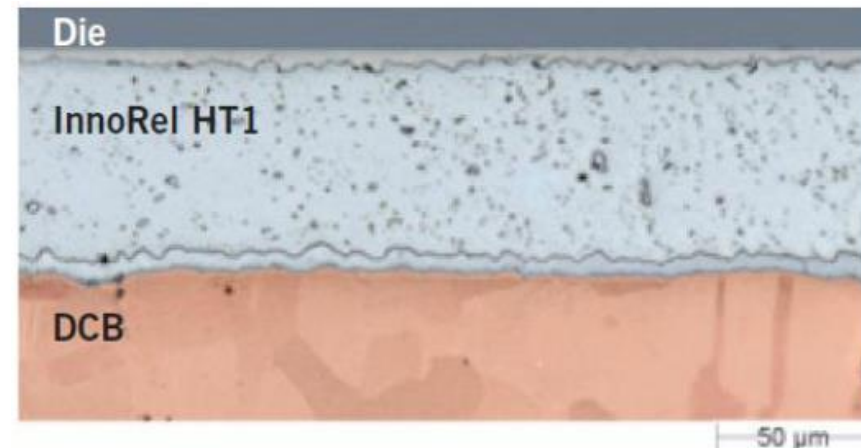
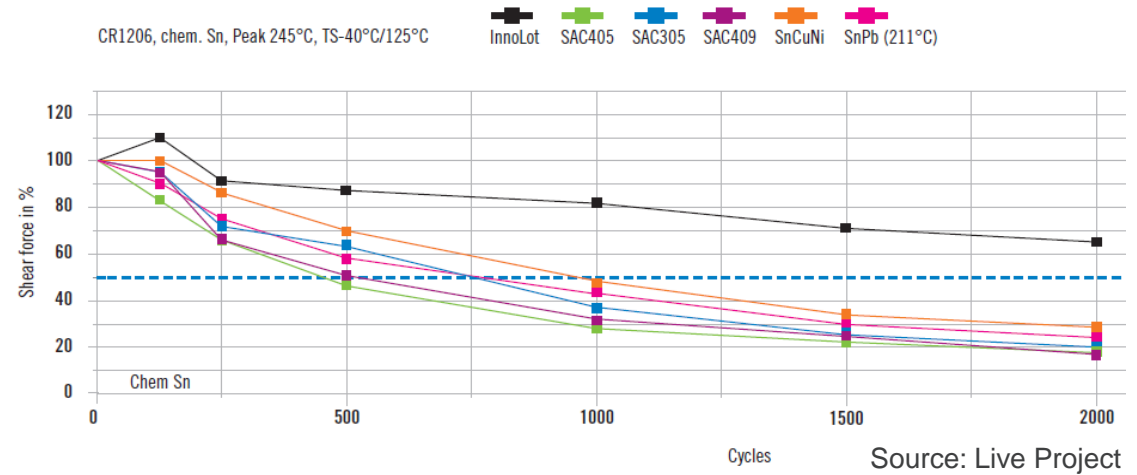
InnoLot and HT1 Solder Paste Series for demanding applications in Automotive and Power Electronics

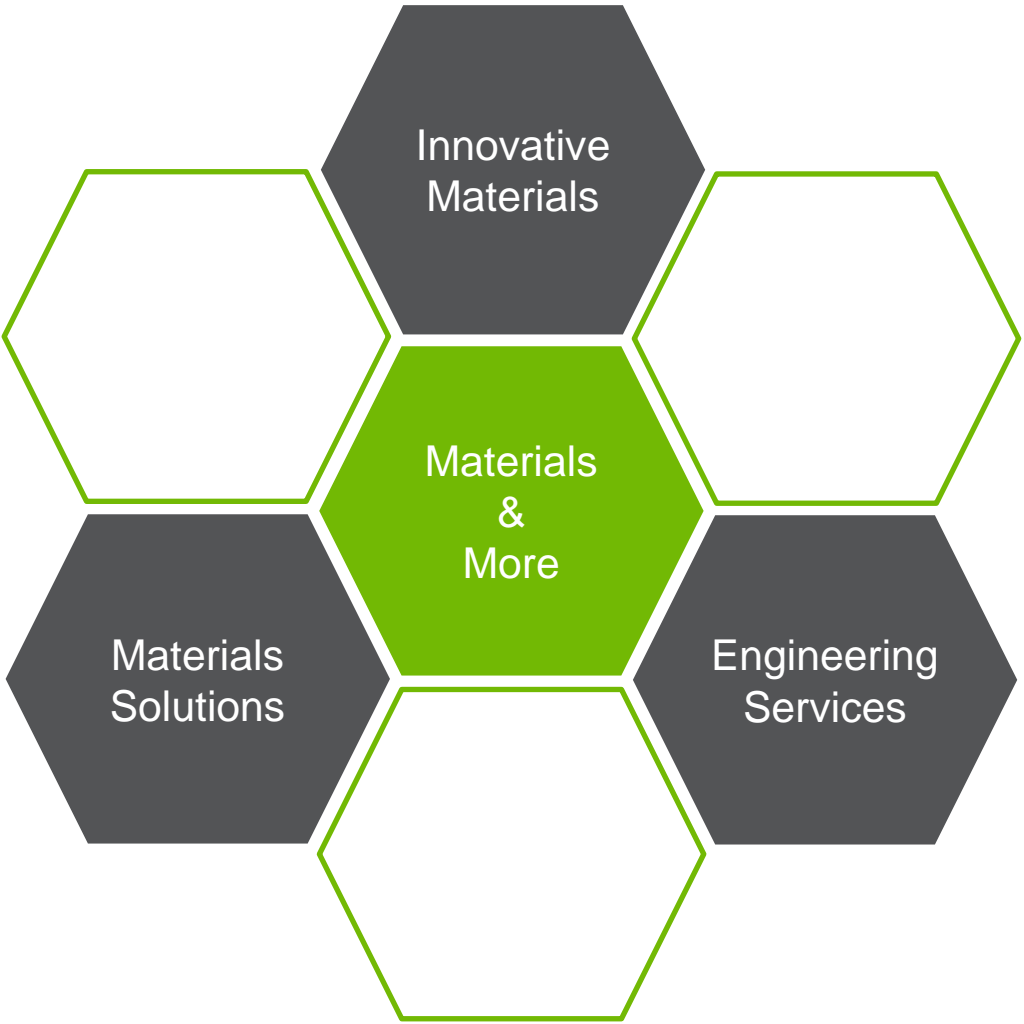
InnoLot Alloy

- › High reliability on PCB
- › Improved creep strength
- › Operating temperatures up to 150°C

HT1 Alloy

- › High reliability on DCB
- › Fine dispersed microstructure
- › Operating temperatures up to 175°C





Thank you for your attention.
For more information, visit [Heraeus Electronics](#)