

## Halogen-free – we got the key



The elimination or reduction of halogens is a fundamental requirement of the electronic industry and the customers since years. This move is necessary to prevent and protect the environment. Move to halogen-free products marks another step in our continual march toward minimizing the environmental footprint of our products, processes and technologies.

Heraeus as a company who is active in developing halogen-free products can offer a complete product line of solder paste, SMT adhesives, conductive adhesives, heat conductive adhesives and non conductive adhesives which are halogen-free according to IEC 61249-2-21.

### Key benefits of Heraeus halogen-free products:

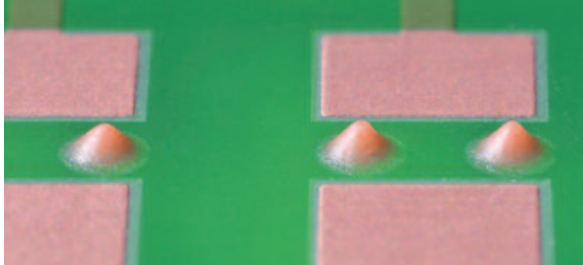
- Drop in solutions for the existing products
- Compliant to IEC 61249-2-21
- No performance lost in comparison with existing products
- Complete product lines available

## SMT adhesives series PD 208 (PR, PY, M)

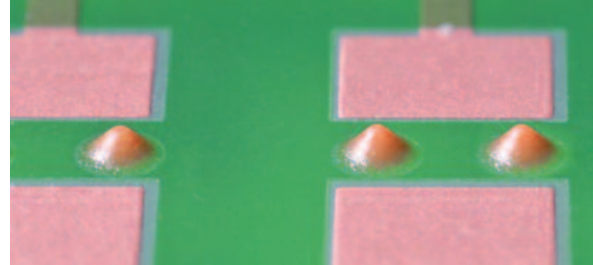
The new developed halogen-free glue series provides all the benefits and properties of the PD 955 series. The PD 208 series shows after assembly an excellent high glue dot form and prevent the components movement during placement. This series is developed for different applications, like printing and dispensing, and is available in various colors.

All these formulations are distinguished with a very high surface insulation resistance (SIR), very short curing times and no air bubble formation. You have no performance lost in comparison with the well established 955-series, only halogen free.

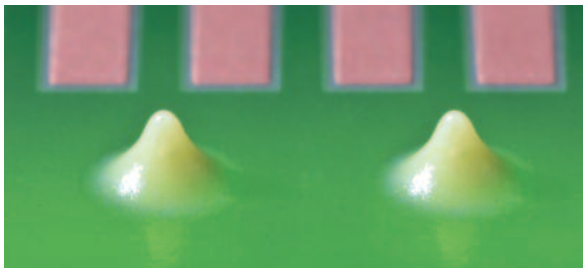
## Glue performance



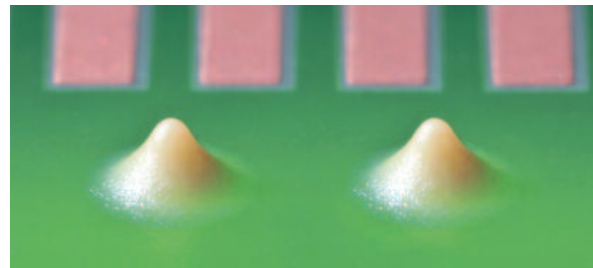
Printed PD 208 PR glue



Cured PD 208 PR glue



Printed PD 208 PY glue



Cured PD 208 PY glue

Heraeus is one of the few companies who can provide all the necessary materials for electronic assembly as halogen-free. We can provide water soluble F543 and no clean F620, F640, F823 solder pastes.

Also our conductive adhesive series PC 3000, PC 3200 and PC 3600, the non conductive 5-series, 9-series, 11-series as well as the heat conductive 5-series fulfil these requirements.

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