# Application Notes 95-DRX-M+

**BALVER ZINN<sup>®</sup>** 

COBAR

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## **Description product**

95-DRX-M+ is a power full anti-bridging low VOC flux for wave soldering applications. The flux has very clean residues and good solder properties for use with industrial and consumer applications.

See the Product Data Sheet (PDS) for the specification of this product. An up to date version of the PDS for most current products is available through our website at <u>www.cobar.com</u>. See the Material Safety Data Sheet (MSDS) before handling and/or using this product.

#### **Receiving and storage**

Exposure to heat, frost or rain should be avoided. Do not leave shipments outside. An aircontrolled room usually is adequate for storage. Shelf-life is best guaranteed at temperatures below 20 °C and RH below 70%. Fluxes are shelf-life items and should be managed as a FIFOsupply.





Flux that has been exposed to frost should be placed in a room with central heating for at least 4 hours and shacked before use.

## Handling

The recommended ambient conditions for applying the flux are 18-25 °C. Prior to use the flux: tank, spray nozzle, fingers, pallets/carriers and tubes should be cleaned properly. If pneumatic air is used to apply the flux, the air must be dry, free of oil and temperature controlled. A water and oil separator for the supplied air is strictly necessary.

It is important to start with components and board materials that meet requirements for solderability and ionic cleanliness.

### **Flux applications**

Spray fluxing is the preferred application to apply this flux. Make sure that the unit has a stable and uniform spray-cone. The flux should have the finest droplets at the lowest possible setting for the atomizing air pressure. (Low air pressure gives bigger and unstable droplets; high air pressure cause bouncing effects of the flux against the PCB surface).





Figure 2: Preheat recommendation

## Soldering

In order to obtain clean and well-soldered assemblies, a contact time in the solder wave between 2.5 and 4 seconds is recommended. This time is temperature depended. For a typical SnPb process (solder temperature 250 °C) the initial setting is approximately 2.5 seconds. For lead-free (solder temperature 260 °C) up to 4 seconds depending on the application.

# **Conformal coatings**

When properly processed, this flux is compatible with many conformal coatings based on acrylic, polyurethane and silicone resins.

#### Disclaimer:

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