



# TECHNICAL DATA SHEET

CATEGORY: **WATER SOLUBLE PASTE FLUX**  
NAME: **WS353**

## FEATURES

- HIGH ACTIVITY LEVEL
- IMPROVED ENVIRONMENTAL RESISTANCE
  - FOR BALL ATTACH, FLIP CHIP, DIE ATTACH, TINNING, AND REWORK APPLICATIONS
- EXCELLENT WETTING
- EXTENDED CLEANING WINDOW

## DESCRIPTION

**WS353** paste flux is an organically activated formulation composed of the same basic materials found in WS353 water-soluble solder paste, ensuring its compatibility. WS353 paste flux may be utilized for ball attach, flip chip, die attach, tinning, rework, and other standard paste flux applications. WS353 paste flux offers robust environmental tolerance and printing characteristics, excellent activity, a broad cleaning process window, and compatibility with both tin-lead and lead-free solder alloys. WS353 paste flux also provides an exceptional post-process cleaning window and is designed to not foam during the cleaning process, even in high pressure wash systems. WS353 offers extended stencil life and tack time,

## HANDLING

- This material has a refrigerated shelf life of 6 months when packaged in jars or syringes.
- Do not store near fire or flame.
- Keep paste flux away from sunlight as it may degrade the product.

## PASTE FLUX APPLICATION

- WS353 paste flux can be applied either directly from syringes via dispensing needles or from other packages via acid brush or other applicator.
- Apply directly onto components, PCBs, or wires.

## CLEANING

Post-process residues should be cleaned within two to three hours. WS353 can be cleaned easily with normal tap water. However, deionized water is recommended for the final rinse. A temperature of 100° - 150°F is sufficient for removing residues. An in-line or other pressurized spray cleaning system is suggested, but is not required.

## PACKAGING

- WS353 paste flux comes standard in syringes, jars, and cartridges.

## SAFETY

- Use with adequate ventilation and proper personal protective equipment.
- Refer to the accompanying **Material Safety Data Sheet** for any specific emergency information.
- Do not dispose of any waste materials in non-approved containers.

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