

Product Application

TechniStrip NF26 is a highly effective negative tone photoresist remover used mainly for TSV mask and solder bumping applications.

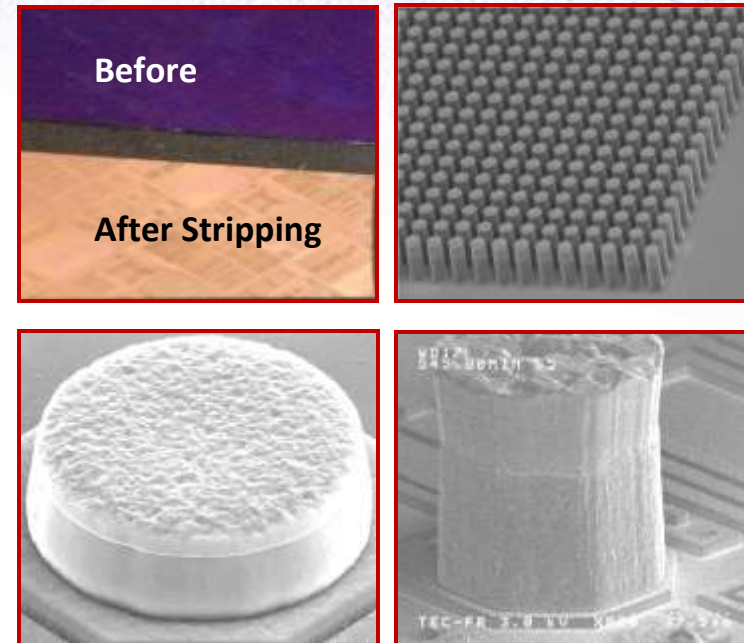
Developed to address laminated photo-resins and liquid resins, the novel cleaning formulation TMAH based showed high dissolution performance compared to standard TMAH based blends.

Additional advantages of the TechniStrip NF26 are its very high material compatibility compared to standard TMAH based solutions. The intrinsic nature of the additives and solvent make the blend totally compatible with metals used throughout the BEOL interconnects to WLP bumping applications.

✓ Main features:

- very high stripping rate, >10µm/min
- great resin dissolution efficiency of dry film
- bath life up to 72 hours @ 70°C
- total metal compatibility, <2A/min @60°C
- complete water miscibility

SEM Micrographs after TechniStrip NF26 stripping in batch



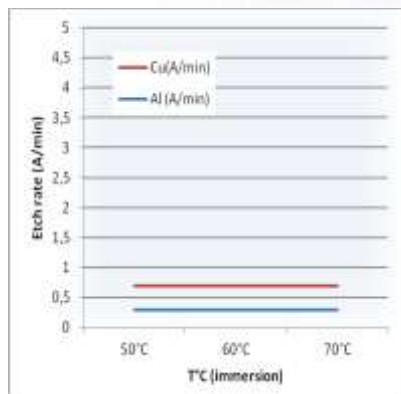
Bottom die with thin SnAg coverage with different Aspect ratios

General Process information-Stripping efficiency

Time to clear 75°C	Seconds
Acrylic resin	<600
Laminated film /Dry film	1800

Material compatibility

ER in A/min @ 70°C	Static Immersion
Al(5%Cu)	<1
Cu	<1
Ni	<1
Ta/TaN	<1
Ti/TiN	<1
TiW	<1
Au	<1
Thermal SiO2	<1
Undoped Si	<1



Sheet resistance- 4 point prob measurements

Physico-Chemical properties

State: Uncolored to yellowish liquid

Odor: amine like

T°C Flash point (Closed cup): 90°C

Water Solubility: Totally miscible

Viscosity (20°C): <2cP

Impurity level: < 500ppb

T°C boiling: 189°C

Equipment

TechniStrip NF26 can be used in batch immersion and batch spray equipments.

Standard process: 65-85°C, 15-30min, direct water rinse.

Bath life

To maintain optimal cleaning performance over 24Hr, it is recommended to work within closed systems (capped batch, spray tools). Due to the high thermal stability of the active ingredients, the bath life can be considerably extended compared to standard TMAH based stripping solution.

Quality

Technic' solutions are formulated using high purity and quality raw materials to ensure low ppb metal levels and particulate count. The full manufacturing process is in accordance with the company quality policy (ISO9001-2008).

Health, Safety and Environment

To obtain comprehensive information on the safe use and handling of the TechniStrip NF26, a material safety data sheet is available on request.

Technic' safety policy is to optimize and promote safer chemical to the industry in accordance to latest European regulation and Customer' chemical banned substance list.

Contact

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