

MECBRITE SURFACE PREPARATION



WIM ONGENAE
Mec Europe
Gent, Belgium

Several options depending on:

- Application
- Equipment (metal parts)
- Technological requirements

MECBRITE SERIES

H₂SO₄ / H₂O₂ based

MECBRITE CA-92/CA-95

(degreasing, etching and anti-tarnish in one)

- Prior IL DF ($L/S > 100 \mu\text{m}$)
- Prior to IL Liquid Resist
- Prior to OSP
- Prior to HASL
- Prior to UV ink printing

–Cu capacity : 45 g/L

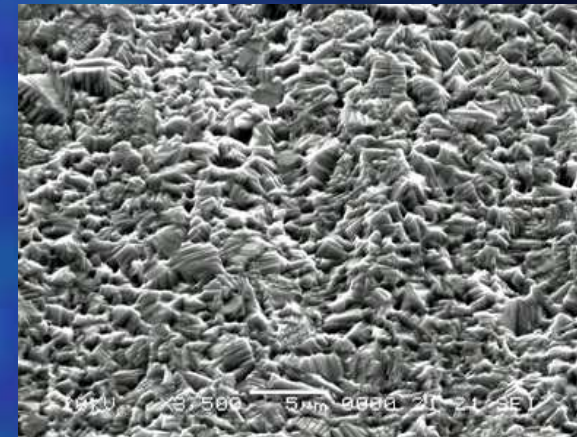
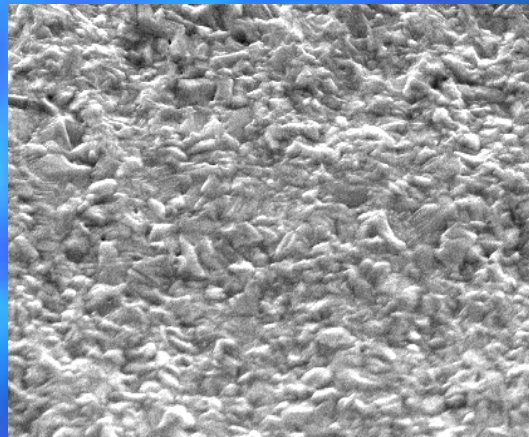
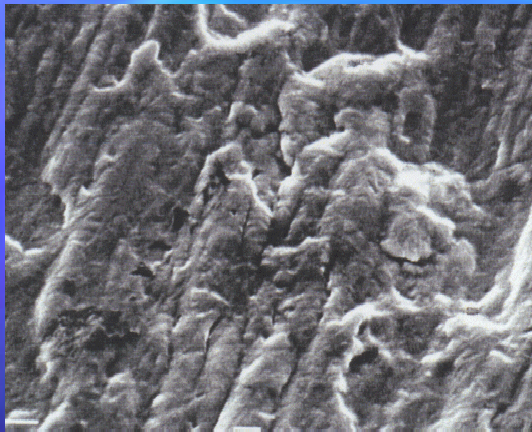
MECBRITE CA-5560 RL1

(high capacity micro-etch)

- Prior IL DF (L/S < 100 μm)
- Prior to IL Liquid Resist
- Prior to HASL
- Prior to UV ink printing

–Cu capacity : 55 + g/L

TOPOGRAPHY



BLANK

CA-92/CA-95

CA-5560 RL1

Etch rate = 1,0 μm

PROCESS

MECBRITE CA-...
RT, 1-2 bar
10-30 sec

WATER RINSE
3-step cascade

DRY

For CA-5560 one step
5% H₂SO₄ rinse required

EQUIPMENT MATERIAL FOR MECBRITE

CAN BE USED

SS 304
SS316
RIGID PVC
RIGID PP
RIGID PE
SS WELDED
RIGID PPE
SOFT PVC
FOAMED POLYMER

PARTLY USABLE

SOFT THERMORUN

CANNOT BE USED

TITANIUM

SOFT EPT

TITANIUM WELDED