



The plastic pre-treatment
with an edge

**BEAUTIFUL
PLASTIC SURFACES**

SURFAPLATE



**KIESOW
DR. BRINKMANN**

Plastic Pre-Treatment

THE COLLOIDAL SYSTEM

SURFAPLATE ET – KS

Chromic/sulphuric acid etch for the colloidal system

SURFAPLATE Reductor

Reduction of hexavalent chromium

SURFAPLATE Activator – KS

Colloidal palladium activator

SURFAPLATE Accelerator – KS

Accelerator to remove the colloidal tin

SURFAPLATE EN 1000

Electroless nickel electrolyte, ammonium-free

SURFAPLATE EN 2000

Electroless nickel electrolyte, ammonium-containing

DIRECT METALLIZING

SURFAPLATE ET

Chromic/sulphuric acid etch for the direct metallization

SURFAPLATE Reductor

Reduction of the hexavalent chromium

SURFAPLATE Activator

Highly active palladium activation for the direct metallization

SURFAPLATE Selector

Forms the electrically conductive matrix to which acid copper plating can be directly applied.

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