



MCS-500AG

SILVER CONDUCTIVE SCREEN PRINTABLE INK

MCS-500AG has been formulated as a Silver Conductive Screen Printable ink ideal for use in flexible circuit, membrane switch, touch switches and other flexible applications. MCS-500AG is a general purpose polymer thick film silver-containing conductor for use only on print treated polyester or polycarbonate.

By using a unique combination of silver flake and the latest in resin technology, the MCS-500AG possesses excellent conductivity, abrasion resistance and printability

It can be used with semi-automatic and manual printers and offers excellent residence time on the screen.

<p>Appearance Volume Resistivity (Zig-Zag Pattern on PET) Adhesion/Tape Pull Abrasion Resistance, Pencil Hardness (ASTM D3363-74) Solids Content Viscosity (poise) (RION VT-04, #2 spindle 25°C) Cure Conditions Circuit Line Thickness (printed with 270 mesh polyester) Coverage (dependent on screen size and material) Shelf Life</p>	<p>Thick Silver Coloured Paste ≤0.00005 Ω-cm 100/100 (no material removal) 2H 65% 120 / 150 120°C for 10 mins 5 ± 1 microns 20 x / 10 x / kg 6 mths in unopened container</p>
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<p>Printing Screen Type Substrates Cleanup Solvent Storage</p>	<p>Suitable for Manual, Semi-Automatic or High Process's Polyester or Stainless Steel Polyester or Polycarbonate MEK, MIBK, Acetone or similiar solvents Store at ambient temp, some settling of solids may occur, gently stir before use, avoid rapid stirring as this causes air entrapment</p>
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Safety & Handling:

The following precautions should be exercised when handling:
Avoid prolonged contact with skin. If contact with skin occurs, wash immediately with soap and water
Use with adequate ventilation, avoid prolonged breathing of vapour.
Dangerous if swallowed - DO NOT CONSUME

The performance characteristics are influenced and affected by printing technique, nature of substrate, curing time, curing temperature and type of drying equipment.

Before adopting our products for commercial use, the user assumes responsibility for determining fitness of use in their particular application and process. Memcon makes no warranties and assumes no liability in connection with any use of this information.

MEMCON (Asia) Limited
Units 5/6 6/F Westley Square
48 Hoi Yuen Rd Kwun Tong Hong Kong
T +852 3741 1411 F +852 3747 8980
www.memcon.asia sales@memcon.asia

MEMCON Limited
Unit 8 Campus Five Third Avenue Letchworth
Hertfordshire SG6 2JF United Kingdom
T +44 1462 371477 F +44 1462 677499
www.memcon.eu sales@memcon.eu

MEMCON North America
4500 Red Arrow Hwy Unit E
Stevensville Michigan 49127 USA
T +1 269 281 0478 F +1 269 593 5952
www.memcon.net sales@memcon.net