



CAPILLEX CX

Product Data Sheet

DESCRIPTION

capillex ex is a green capillary photostencil film specifically formulated for fine line printing in demanding Industrial applications. capillex ex will give a low, but controlled stencil profile over a wide mesh range from 62-100/cm. The low stencil profile and optimised Rz of capillex ex gives superb print reproduction and minimises the thick edge effects normally seen when trying to achieve good print definition on coarse to medium mesh counts especially when using high build inks. capillex ex can be used with conventional UV and solvent based inks.

FEATURES

- Very low stencil profile typically 3-4 μ
- Optimised stencil surface -low Rz
- Excellent mounting characteristics
- Wide exposure latitude
- Easy washout
- High resolution
- Excellent print quality
- Very durable

HAZARDS/WARNINGS

Coating	Green, water soluble UV photo-sensitive emulsion
Photographic sensitivity	380 - 450 Nanometers
Mesh range	62-100/cm
Stencil profile Rz value@ 22.5°	62=3 microns 90 = 4 microns Rz 62 = 8 microns 90 = 6 microns
Drying - prior to exposure	Maximum 40° C
Exposure time	Skw Metal Halide @ 1.2 meters = 4 mins
Washout	10 - 45° C water - strong spray recommended for fine detail work
Resolution	80 micron @ optimum exposure
Definition	Very good
Resistance	Excellent resistance to solvent based and UV curable inks
Decoating	Very easy

APPLICATIONS

eapillex ex is sold strictly for use in the screen printing industry as a capillary photostencil film.

PACKAGING

eapillex ex is sold strictly for use in the screen printing industry as a capillary photostencil film.

WORKING INSTRUCTIONS & SAFE HANDLING

1. Prepare the mesh thoroughly.
2. Apply the film to the wet mesh and remove excess water with a squeegee for best results it is recommended that the Autotype eaplicator is used.
3. Dry the screen thoroughly and remove the backing sheet.
4. Expose the stencil to a high intensity UV light source.
5. Washout the image with water and dry the screen.
6. Spot out any pinholes with a suitable blackout.

HAZARDS

There are no known hazards associated with the normal use of this product.

WARNINGS

None applicable

FIRE PRECAUTIONS

Film burns only with difficulty

SPILLAGE

Not Applicable

FIRST AID

Not applicable in product's normal usage.

SAFTERY & WARNING

MacDermid Autotype recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermid Autotype.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Autotype for waste treatment, the user is required to know the appropriate local/state/federal regulations for onsite or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.