

Autotype Emulsions

Processing

After degreasing and drying the mesh, it can be coated using a coating through. The number of layers to apply is dependent on the method of coating. Make sure to turn the screen a 180° after each wet on wet layer. Leave the screen to dry horizontally, printing side face down, at a temperature of 35° C.

Exposure

Once the emulsion has been coated on the mesh and dried, it is ready for exposure. Before exposing the mesh, the correct exposure time needs to be determined using the information below or the Autotype Exposure Calculator. The exposure time equals the time corresponding to the light source and coating method x distance factor x mesh type factor.

Exposure variables

Mesh type	Factor	Light source distance	Factor
Steel mesh	2.0-4.0	60 cm	0.36
Colored mesh	1.5-2.0	80 cm	0.64
> 130 T	0.7-0.9	90 cm	0.81
< 100 T	1.1-2.0	120 cm	1.44
		150 cm	2.25
		180 cm	3.24

Exposure time (120-34 white mesh at 100 cm)

Emulsion	HPR lamp	Metal halogen 2000 W	Metal halogen 5000 W
PLUS 6000	5-6 min	4-5 min	1-2 min
PLUS	4-5 min	3-5 min	40-80 sec

7000			
PLUS 8000	4-5 min	3-5 min	40-80 sec
PLUS 9000	1-2 min	40-60 sec	10-30 sec

Washout

Wash out the screen from both sides with a strong spray of water. Continue the washout until all parts of the image appear clean and sharp. Blot off surplus moisture with newsprint or a leather and dry at a maximum temperature of 30°C.

Stencil removal

Remove ink from the screen, with Autosolve screen cleaner. Apply Autostrip gel, concentrate or powder to both sides of the screen. Leave standing for 5 minutes. The stencil can then be removed with a strong water jet or high pressure stripper. If a stain or ghost image still remains, use Autokleen Plus.