

21 STEP SENSITIVE GUIDE



Overview

This all-purpose precision exposure guide can be used on all stencil types to estimate and standardize proper exposure accurately and quickly.

The exposure guide is made of twenty-one increasingly dark swatches of continuous tone filtering the quantity of light that penetrates it.

Light passes through the guide and begins to expose the emulsion underneath. If enough light hits the guide, the emulsion under the darker swatches begins to cure enough that it will adhere at washout.

If seven steps of emulsion adhere during Development, this means the unfiltered portion of the emulsion has received 5,6 times more light.

For many emulsion products, this level of curing is sufficient to reduce the occurrence of pinholes, but also will not cause loss of detail due to over-exposure.

If you expose and do not achieve seven steps, there is a simple chart on the second side of this Technical Information that you can follow to get the correct result, even without performing the test for a second time.

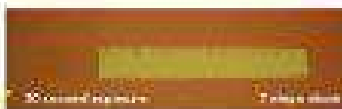


Directions

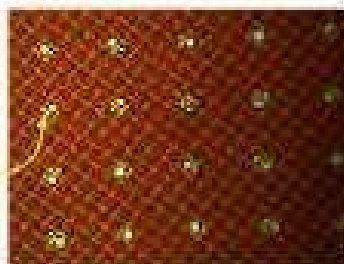
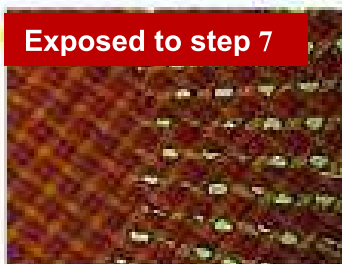


Expose As Usual

Develop screen. If correctly exposed, 7 steps stick and the rest falls off.



More steps = overexposure
Fewer steps = underexposure



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Exposure correction table

To find the exposure factor to hold more or less on the 21 Step Sensitive Guide, follow the chart below.

To Change Exposure	1 Step	2 Steps	3 Steps	4 Steps
To Increase Exposure	1.40x	2.00x	2.80x	4.00x
To Decrease Exposure	0.71x	0,50x	0.35x	0:25x

Example Result



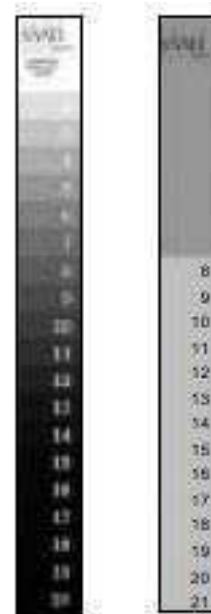
Step 9 - 60 seconds
Over-exposed.
multiply exposure time by .5
 $60 \times 0.5 = 30$ seconds



Step 4 - 10 seconds
Slightly under exposed.
multiply exposure time by 2.8
 $10 \times 2.8 = 28$ seconds



Step 7 - 30 seconds
Just about correctly exposed.
This time appears to be in the range to reach step 7.



For CtS exposure process step 5 should be effectual



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