

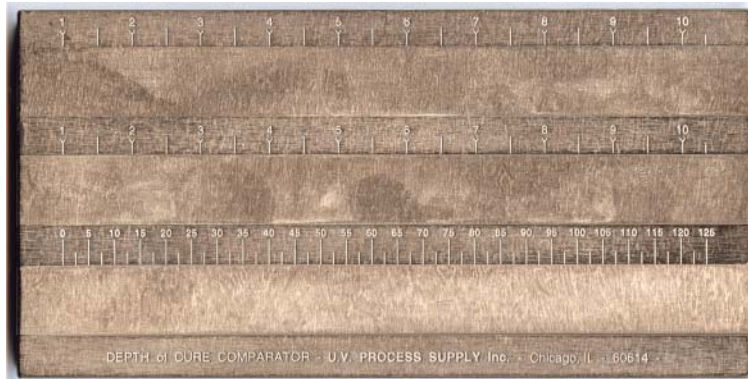
DEPTH OF CURE COMPARATOR INSTRUCTION MANUAL

PART NUMBER N008-001

To use the Comparator, first lightly coat with included release agent (Quick Release N008-018). If the spray is too thick, you can spread this onto the Comparator with a lint free cloth, wiping lightly so as to leave a thin film or coating on all surfaces that will be used for your test. Let this film dry.

The magnetic strip supplied can be used as a dam, or edge gate, to prevent extremely fluid coatings from running off the edges of the Comparator. Simply apply to the edges of the Comparator if required.

Select the channel appropriate for the depth of coating typically required in your application.



The 3 test plate channels are all measured in mils:

← The first channel is from 0 to 1 mil

← The middle channel is from 0 to 10 mils

← The last channel is from 0 to 125 mils



Spread and level your UV curable product in the channel using the precision milled steel scraper, accurately metering the UV curable product within the full length of the channel.

Run the Comparator through your UV curing system, exposing the UV curable product to the same conditions used in production.

The quick release agent should permit easy removal of the cured product from the channel of the Comparator. Lift out the cured sample from the channel and carefully inspect for surface cure and depth of cure.

The region of the sample that has successfully cured all the way through represents the thickness that can be achieved at the production speed tested.

Use the Bond Breaker to thoroughly clean off any dried-on deposits and uncured product prior to storing or using the Comparator again.

UV PROCESS SUPPLY, INC.
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