



BEACON ADHESIVES CO.

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MagnaCryl 5000

Product Information Sheet

UV Curable Lamination Adhesive

MagnaCryl 5000 is a UV curable laminating adhesive designed for flexo and is well suitable for paper to paper, film to paper, or film to film applications. On most paper stocks MagnaCryl 5000 provides fiber tear strength.

MagnaCryl 5000 was designed for high speed converting and cures at speeds of 500fpm and above.

Viscosity	Color	Wt/Gal	Diluant	Shelf Life
1,200 cps	Lt. Yellow	8.6	Do not Dilute	12 months

Liquid Properties and Press Setup

MagnaCryl 5000 is a low viscosity adhesive at room temperature designed to run on a flexo press with little or no modification. It does not require heating or other special set up requirements and resembles UV ink in liquid properties. **MagnaCryl 5000** offers excellent flow characteristics for printing on film or paper substrates. It can also be printed directly onto the release liner as a transfer adhesive.

MagnaCryl 5000 suggested deposit is 14 - 18 microns for optimum adhesive properties. This can generally be achieved using a 100 line anilox roller. MagnaCryl 5000 can be cured using 400 to 600 watt UV lights at speeds ranging from 200 – 400 feet per minute.

Additional Information

For additional information or printed samples, please contact Beacon Adhesives.



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MagnaCryl 5000 is printed on a standard flexo station and requires no press modification.

To Cure Adhesive

MagnaCryl 5000 UV adhesive was designed to cure using conventional UV lights currently installed on most presses. With a 400 watt UV light press speeds can reach 250-300 FPM. With a 600 watt light speeds up to 500 FPM can be attained.



Polymer Plate

A standard photo polymer plate is used to print MagnaCryl 5000.



Anilox and Coating Weight

Unlike ink, adhesive is printed in heavier coat weights. We recommend an 80 line tri-helical cut anilox. This will deposit the desired coating weight of 18 to 19 microns to achieve maximum adhesive properties.

Film

MagnaCryl 5000 is compatible with a wide variety of film stocks. It is important to test the film stock for both adhesive anchorage and compatibility with the silicone that is used. Call Beacon for further technical assistance.

