



# BEACON ADHESIVES CO.

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## MagnaCryl 6551

### Product Information Sheet



#### Dry Peel Adhesive

MagnaCryl 6551 is a U.V. curable adhesive designed to laminate film stocks such as OPP, PP, and PE to one another. The peel strength of MagnaCryl 6551 is designed to allow delamination of these films by the end user, making it ideal for IRC's (immediately redeemable coupons) or "Piggy Back" labels where the films are ultimately separated. MagnaCryl 6551 is applied in a flexo's ink station cures at speeds between 150 and 300 fpm depending on UV lamp power.

#### Typical Uncured Properties

Appearance	Viscosity
Clear	700 cps

#### Directions For Use On A Flexo Press

Handling of Beacon's UV curable adhesives is similar to the handling of most UV Inks. However MagnaCryl 6551 is based on cationic chemistry. It is required that the ink pan, dr. blade, contact rollers, and anilox are thoroughly cleaned prior to use. If not, MagnaCryl 6551 may not cure.

1. While not mandatory, we suggest using a 220 line anilox with 6.5 BCM and a doctor blade.
2. Once printed, MagnaCryl 6551 must be cured & immediately laminated to 2nd film through a nip roll.
3. Once exposed to UV energy, MagnaCryl 6551 begins its cure cycle and continues curing for approximately 24 hours. Full cure is generally achieved in 24 to 48 hours.

#### Learning to approve of adhesion properties

As MagnaCryl 6551 cures fully after 24-48 hours, peel strength tests should be conducted at 20 minutes, 24 and 48 hours. The peel strength usually increases during this time interval.

#### Setting up the press – 10 minute test only

As it is unrealistic to wait 24 hours to confirm press set-up, printers generally become familiar with how MagnaCryl adheres after 20 minute and at 24 hours. Then, jobs are set up and confirmed with just the 20 minute peel strength.

#### **An important note about cationic chemistry.**

**We do not recommend printing directly onto or bordering or other UV or water based inks or coatings. Cationic chemistry is not compatible with free radical and many waterbased inks.**