



TECHNICAL DATA SHEET



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SpeedyDry is a patented, high performance ink additive. It is added directly to the ink to speed drying with better gloss and adhesion. SpeedyDry also enhances rub resistance and eliminates marking and chalking while keeping the ink's integrity of body and tack unchanged.

SpeedyDry attaches itself to the pigment and varnishes in the ink, and becomes one with the ink. There are many ingredients in SpeedyDry working together, being activated by water, heat and some oxidation. Its properties then create a chemical reaction that allows drying from top to bottom and side to side concurrently.

With **SpeedyDry** added to any ink manufacturers standard inks, you will achieve a high performance ink at a much lower cost.



Advantages to using SpeedyDry

- Cut dry times by up to 75% – 4 to 6 hours are typical.
- Improved rub resistance
- Improved adhesion
- Improved gloss
- Accepts post-press heat applications – foil stamping, UV and aqueous coating, lamination, and laser printing.
- Eliminates offsetting, chalking, and marking

PRODUCT NUMBERS

- SD-C....Case – six 16 oz. (454g)bottles
 - SD-G....Gallon – 9 lbs. (3.64kg)
 - SD-K....Kit – 37 lbs. (16.82kg)
 - SD-D....Drum – 440 lb. (200kg)
 - SD-CT..4-PK GFI Cartridges 33#(15kg)
- Custom Totes are available

Volatile Organic Compound (VOC) % by Weight***
Absolute Range 1.0% to 3.0%
Typically < 2.0%
***Method 24 test

Applications for SpeedyDry

PRESSES

- Sheetfed Offset
- UV
- Cold Web
- Heatset
- Waterless

SUBSTRATES

- Synthetic
- Coated
- Metallic
- Matte coated
- Uncoated

INKS

- Conventional Offset
- Metallics
- Waterless
- Soy
- Acrylic
- UV
- Vegetable
- Rubber based
- Fluorescent

ENVIRONMENTALLY FRIENDLY



Safe on packaging in contact with food.

HMIS

Technical Points

- For sheetfed presses start at 15% of SD. 7.5% in yellows, whites, and varnishes. Once you have become familiar with the print window and dry times, one can increase or decrease the percentages as desired.
- Cold set and heat set web presses start at 10%.
- SpeedyDry has 18% oxidants, so ink needs to move constantly and transfer from rollers and blankets to substrate. If press has to stop for more than 45 minutes, rollers should be rinsed and ink fountains sprayed with anti-skin.
- Do not leave inks on press overnight.
- Hue changes in yellows, whites, pastels and varnishes, at the recommended 10%, is half a delta E.
- SpeedyDry is ratio based, the more you use the better results you get. only printing window is effected. At 15% you have 10 to 14 hrs of printing time before refreshing rollers.
- Water is the main ingredient that activates SpeedyDry, so try to keep alcohol subs to 3% or alcohol at 5%. Conductivity 1500 to 2000, PH 4.5 to 5.
- With SpeedyDry, one achieves better solids, no pin holes, no dot gain or tailing.
- SpeedyDry can be premixed with ink or added at press. (See mixing video@www.speedydry.com)
- Store in a controlled environment, recommended not to exceed 82 degrees F/27 C.
- Recommended to be used within 12 months of purchase.

Results may vary according to your press conditions.

To the best of our knowledge, this data sheet is accurate, however, SpeedyDry assumes no liability for the accuracy of this information. The final determination of the suitability for a particular use is the sole responsibility of the user.