

Flock Adhesive

International Coatings Company™ launches its new improved **3820 Direct Print Flock Adhesive** for textile screen printing. Flock is currently in fashion again with many apparel designers and decorators, so don't be left out!

3820 PF Flock Adhesive is Non-Phthalate (NP) and was developed in response to customer demand to provide them with a strong flock adhesive that cures into a soft, elastic, pliable print.

- ➔ **3820 Flock Adhesive** is a 2-part system and is easy to use. The catalyst will help adhere the flock fibers to the substrate to greatly improve washfastness.
- ➔ **3820 Flock Adhesive** provides excellent adhesion to most flock fibers and a very soft and flexible flock print.
- ➔ **3820 Flock Adhesive** prints smoothly, holds flock fibers firmly, yet cures to a flexible, full-bodied print.
- ➔ **3820 Flock Adhesive's** "short" body allows a thick deposit to be printed easily for flocking.

Order your **3820 NP Direct Print Flock Adhesive** today and test it for yourself! The **3820 Flock Adhesive** is available through International Coatings' exclusive network of distributor companies.

Contact us at 1 (800) 423-4103 (within the U.S. only) or 1 (562) 926-1010, or visit www.iccink.com for more information.



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 **International
Coatings™**
Creating Performance Solutions

Flock Adhesive Product Bulletin

FEATURES

- 3820* Direct Print Flock Adhesive is a two-part, Non-Phthalate (NP) flock adhesive that can be used to produce high quality flock prints.
- 3820 provides excellent adhesion to most flock fibers and produces a very soft and flexible flock print when the product is properly printed and cured.

*Lead Compliant (Contains less than 90ppm lead)

Application & Storage Information

RECOMMENDED FABRICS	100% cotton and 50/50 or 100% polyester. Always check for possible dye migration when printing fabrics that contain polyester fibers. Always test print fabric before beginning a production run.
INK APPLICATION	3820 Flock Adhesive must be mixed with the 900 Catalyst before printing. Catalyst is provided in 2 oz. and 8 oz. containers and should be thoroughly hand stirred into the ink to the following proportions: 5% by weight = 20 parts ink to 1 part catalyst 1 oz. Catalyst to 1 pint of ink 2 oz. Catalyst to 1 quart of ink 8 oz. Catalyst to 1 gallon of ink Ink may be used immediately after mixing. Do not mix more ink than is needed for a job. Do not under catalyze the ink. Pot life of mixed ink is 4 to 8 hours. Over catalyzation will shorten pot life of ink.
SCREEN MESH AND EMULSION	86-110 t/in or 33-43 t/cm Monofilament Any direct or indirect solvent resistant emulsion or capillary film.
SQUEEGEE	60-70 Durometer: Sharp Edge 60-90-60 or 70-90-70 Triple Durometer: Sharp Edge
CURE TEMPERATURES	325°F (163°C) entire ink film. Since plastisols do not air dry, they must be fused with an appropriate heat source in order to achieve durability. The optimum time/temperature cycle will vary with the amount of ink deposited, fabric and the type of heat source used. Test dryer temperatures and wash test printed product before and during a production run.
CLEAN-UP	Any Environmentally friendly plastisol screen wash.
PRODUCT PACKAGING	Available in 1-Gallon and 5 Gallon Pails
STORAGE OF INK CONTAINERS	Keep inks indoor and store in a cool area. Recommend storage at 65° F to 90°F (18°C to 32°C). Avoid storage in direct sunlight or in extreme temperature conditions
PRODUCT MSDS	Refer to material safety data sheet 3820-MSDS8.

IMPORTANT INFORMATION

1. Stir or mix the 3820 Flock Adhesive before each use.
2. Make sure that the 3820 Flock Adhesive is kept more on the surface of the fabric when printing in order to help insure a maximum adhesive surface for the flock fibers to bond to.
3. Immediately after printing the 3820 Flock Adhesive, apply the flock fibers to the wet adhesive using the proper electrostatic flocking equipment.
4. The properly printed and cured flock print should be vacuumed to remove excess flock fibers that have not completely attached themselves to the flock adhesive. Wash test flock print to check for proper curing/adhesion before beginning a production run. There will be some small loss of the flock fibers in general because not all of the flock fibers will be completely sealed to the adhesive.

Recommendations and statements made are based on International Coatings' research and experience. Since International Coatings does not have any control over the conditions of use or storage of the product sold, International Coatings cannot guarantee the results obtained through use of its products. All products are sold and samples given without any representation of warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purpose. This applies also where rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended purpose and application.

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