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Vinacron™ Nylon & Fabric Gripper™ Additives
Base () & Additive (NB-136 &)
USE INSTRUCTIONS & SUGGESTIONS

Loes Enterprises, Inc manufactures several different additives to promote the adhesion between the plastisol and fabric. But first, we need to clarify the two different types of adhesion, chemical & mechanical. Chemical adhesion occurs when there is a molecular bond between two components; an example is nylon jacket printing. The catalyst that is added to the ink chemically bonds with the water proofing treatment on the nylon.

Physical adhesion occurs when the substrates “allows’ the ink film to attach itself and it adheres for some physical reason. An example is printing on mesh jerseys, where the ink soaks into the pours of the fabric giving adhesion to the garment. Adhesion in regular t-shirt printing is also mechanical.

Loes Enterprises, Inc has developed the NB-136 additive for printing on nylon jackets. We suggest 7 to15 percent catalyst by weight be added to the ink and thoroughly mixed. Because we cannot control either the process in which the water-proofing chemical is applied and its chemical composition, we strongly recommend thorough testing. We also suggest that printer’s stick with trusted brands of jackets.

Determining the appropriate amount of catalyst is important. Adding too little and the ink will not adhere; adding too much reduces the self-life of the ink. The catalyst reacts with moisture in the air, which creates heat by a chemical reaction, and the plastisol starts to harden. This is the explanation to why it is important to keep the catalyst container as air tight

as possible, an open container degenerates the active ingredient in the catalyst.

Loes Enterprises, Inc has developed an additive to promote the mechanical adhesion on to finely woven fabrics such as “dazzle cloth,” lycra, and fine meshes. These Gripper™ additives chemically alter the ink but will not affect the shelf life once its been mixed. Only the ink deposits that come in contact with the fabric need the additive. The affective ness of these additives is dependant upon the technique in printing, and we strongly recommend thorough testing. The base color (s) should be printed-flashed-printed, which seems to provide the optimum performance. A suggested starting point is 3% to 5 % by weight of the Gripper™ Additive and 6% to 10% by weight of the Gripper™ Base HS 9550. Any questions or feedback please call us at 1-800-869-1088.