



PRODUCT INFORMATION

CRACKING AF SYSTEM

GENERAL INFORMATION

This system consists of two different pastes which are Cracking White AF and Cracking ClearAF. Cracking White AF is a high opaque white and Cracking Clear AF is translucent white, which both of them form a super hard dry film with low coalescing properties when dry. These are ready for use water base cracking ink that can be screen printed immediate out of its can. Cracking White AF is an excellent product for use on dark fabrics where maximum opacity with cracking finish is required, where else Cracking Clear is highly translucent base which can be used in conjunction with a wide range of waterbase pigment concentrated to achieve desire colors of crack print. In general, washing properties for Cracking Series are on the average requirement.

TYPE OF FABRICS

Cotton and Blends are recommended.

*** ALWAYS PRETEST FASTNESS PROPERTIES BEFORE PRODUCTION. ***

APPLICATION METHOD

White Cracking

- Print a base using Genesis System (White or Color) to form a plastic surface onto your garment.
- Over print with Cracking White till desire thickness.
- Let ink dry and crack naturally or using force hot air flow.

Color Cracking

- Print a base using Genesis System (White or Color) to form a plastic surface onto your garment.
- Over print with cracking paste (Mixture of Cracking White, Cracking Clear and Pigment)
- Intermediate dry each color by force cold air
- Final touch, allow the print crack at room temperature or dry the print using force hot air flow.
- Cure print using a conveyor to achieve good fastness properties.

TYPE OF STENCIL, TENSION & MESH

Used only water resistant, direct in direct emulsion.

43S/110S ~49S/120S mono-filament at 20 Newton for high opacity by using GNS System.

39T/100T~51T/130T mono-filament at 20 Newton for cracking paste with emulsion thickness of 200µm.

SQUEEGEES AND PRINTING TABLE.

For maximum opacity 50/60 durometer hardness squeegees are recommended for underbase. To achieve an excellent cracking effect use 45/55 durometer hardness squeegees. Soft tables are most and multiple squeegee strokes are recommended to improve on cracking ink deposit.

DRYING AND POLYMERIZATION.

All underbase should be touch dry prior laying down the cracking paste.

To achieve even cracking, all intermediate cracking color is to be cool air dry at temperature below 50°C/122°F. Final drying and cracking are suggested at 150°C/302°F for 3 minutes with Airflow recommended are 2500 cfm/70.79cmm for proper polymerization.

OTHERS IMPORTANT TIPS.

Off contact screen are strongly recommended for printing cracking effect. Multiple print strokes will improve the cracking effect pattern. The thicker the ink deposit the bigger the crack lift will be. Low ink deposit will cause a “small and smashing” cracking look for the final print look.

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