



TECHNICAL GUIDE FOR MULTI-TECH'S MULTI-MATCH SYSTEM

SECTION 1 GENERAL INFORMATION

- The Multi-Tech Multi-Match (MMC) is a plastisol ink system designed to simulate the 14 PANTONE® * standard base Matching System Colors used in the PANTONE® Color Formula Guide.
- Multi-Match is created especially for wet-on-wet printing on a variety of textile products with a “soft-hand” feel, but it is also available in an opaque series! It contains no water and can be used with any stencil system.
- This is the simplest plastisol mixing system on the market today. Simple to use, no special training required.
- The entire Multi-Match system uses finished, ready for use inks.
- This system does not require bases, clears or pigments; thus, there is no confusion, no costly mistakes and no chance of “unbalanced” colors.
- There are eleven basic colors, including black and white, in the Multi-Match System.

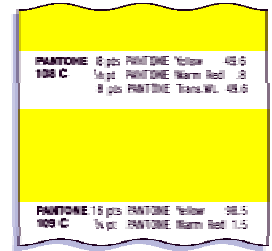
Stock #	MMC
104-112C	MMC-112 Yellow
104-123C	MMC-123 Yellow 012
104-124C	MMC-124 Orange 021
104-113C	MMC-113 Warm Red
104-125C	MMC-125 Red 032
104-114C	MMC-114 Rubine Red
104-115C	MMC-115 Rhodamine Red
104-116C	MMC-116 Purple
104-117C	MMC-117 Violet
104-126C	MMC-126 Blue 072
104-118C	MMC-118 Reflex Blue
104-119C	MMC-119 Process Blue
104-120C	MMC-120 Green
104-121C	MMC-121 Transpar.White
104-122C	MMC-122 Black

Stock #	MMOpaque
106-112	MMO-112 Yellow
106-123	MMO-123 Yellow 012
106-124	MMO-124 Orange 021
106-113	MMO-113 Warm Red
106-125	MMO-125 Red 032
106-114	MMO-114 Rubine Red
106-115	MMO-115 Rhodamine Red
106-116	MMO-116 Purple
106-117	MMO-117 Violet
106-126	MMO-126 Blue 072
106-118	MMO-118 Reflex Blue
106-119	MMO-119 Process Blue
106-120	MMO-120 Green
106-121	MMO-121 Transpar.White
106-122	MMO-122 Black

- Before you begin, you will need a PANTONE® Color Formula Guide, a gram scale accurate to one tenth (0.1) of a gram, mixing containers and stirring utensils.

SECTION II BECOMING FAMILIAR WITH YOUR PANTONE® COLOR FORMULA COLOR GUIDE

- Your PANTONE® Color Formula Guide should be as current as possible. The lithographic inks fade and the colors shift.
- On each page of your Color Guide there is a formula that requires two (2) or more colors to achieve the final result.
- On the right-hand side of the color blocks, the numbers will represent the amount of grams needed of each color to create. Each formula will total 100 grams or approximately six (6) ounces.



SECTION III CREATE YOUR OWN COLORS

- You may use the formulas as they exist in the PANTONE® Color Formula Guide or experiment and create your own colors.
- As mentioned in Section II, on the right-hand side of each color block, you will find the number of grams needed for each formula.
- Multi-Match plastisol ink averages ten (10) pounds per gallon container.
- In order to produce the color in larger volume, multiply the number in the following manner:

1 Quart	Multiply Each Ingredient by	11
½ Gallon	Multiply By	22
¾ Gallon	Multiply By	26
1 Gallon	Multiply By	35
5 Gallon	Multiply By	224

- These multipliers will total in grams. The conversion from grams to pounds, divide your total grams by 454. Note: 454 grams = One (1) pound.

SECTION IV IMPORTANT TIPS

- Do not store inks in paper containers or anything that absorbs moisture because the container will extract the plasticizers from the ink and will change the delicate balance of ingredients.
- Do not leave wooden stir-sticks in the ink. These can also absorb plasticizer and affect the balance of ingredients.
- Be sure to cover all containers to avoid contamination by dust, dirt, etc.
- Be sure to keep accurate records.

If using any additives, do not rely on your memory.....write it down.

THANK YOU FOR YOUR INTEREST IN MULTI-TECH'S PLASTISOL SYSTEMS.

IF YOU NEED ANY FURTHER ASSISTANCE, CONTACT US AT (314) 382-9881