

PTHF - UNIMATCH MIXING SYSTEM

Union Unimatch system is Union's most accurate finished ink medium opacity Pantone certified color matching system.

Highlights

- For Pantone formulas go to: Unionink.com -> Color mixing solutions -> Unimatch Mixing system -->IMS 3.0.
- For mixing accurate and intense colors. For wet-on-wet direct printing on white, light colored fabrics or under base whites.
- Unimatch finished ink color system means that you can print any mixing color on its own or as part of a color formula.

Printing Tips

- In order for this system to be highly accurate you will need to use a scale and the formulas provided at Unionink.com.
- Using an appropriately sized container, prepare it by spreading a thin film of Unimatch Soft hand Extender base PTHF-9070 around the inside and bottom of the container. This will insure that small measurements of color do not stick to the side of the container and will mix down. After placing your container on the scale with the Soft Hand Extender spread around the inside of the container, push the "TARE" button to "zero-out" your weight. Begin adding the components of the formula one by one making sure to Tare or Zero-out your weight before adding the next color. It helps to try and keep these colors separated in the mixing container in case you go over your target weight and need to remove ink.
- Confirm that your weights match the formula and mix by hand or on a turn-about style mixer.
- Avoid high speed mixers and power drills as the friction heat from them may semi-cure the ink making it difficult to print.
- Since plastisol inks "body-up" as they sit in the container you should always stir them well to determine the actual viscosity before adding any reducer.
- Reducing the ink also reduces the opacity. If you wish to reduce the inks viscosity, use Viscosity Reducer (PLRE9000).
- To extend the ink or to soften the hand further use only Unimatch Soft Hand Extender Base (PTHE9070).

Compliance

- Internationally compliant
- Non-phthalate
- <https://www.avientspecialtyinks.com/services/compliance-support>

Precautions

- The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications.

Recommended Parameters

 <p>Fabric Types Cotton, Under base with LB or Poly ink on blends.</p>	 <p>Flash & Cure Flash: Pre-heated pallets Cure: 300°F</p>	 <p>Clean Up Standard plastisol cleaners, press wash, or ink degradant</p>
 <p>Mesh Counts: 156-230 Tension: 25n/cm3</p>	 <p>Pigment Loading Unimatch inks</p>	 <p>Health & Safety Find safety information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p>
 <p>Squeegee 70/90/70,60/90/60, 70 Profile: Square Stroke: 1 Angle: 10-20%</p>	 <p>Additives Nylobond NYBE9120 Unistretch UNSE9160 Curable Reducer PLRE9000 Extender base PLUE9090</p>	<p>2021, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.</p>
 <p>Stencil Standard Emulsion or Capillary Film Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	 <p>Storage 65°-90° F (18°-32° C) Avoid direct sunlight</p>	