



ZENIT PLUS

Code MX003868

PRODUCT DESCRIPTION

Diazo standard emulsion (DSE) with high solid content that offers excellent printing performances.

APPLICATION FIELDS

Zenit Plus is indicated to be easily used in applications with water-based inks, discharge inks, plastisol and silicone inks. For direct screen-printing processes on cotton and mixed fibers, as well to print on any industrial and graphic substrates (on paper, metal, plastic, glass and wood) even for large print runs. Especially useful for applications with flat roll-to-roll screen-printing or directly on pre-cut or manufactured clothes to dress, might to be used also on transfer printing

GENERAL FEATURES

- Excellent resistance to textile printing
- Ideal for use on fabrics with medium number of threads
- Feasible recovery at end of print if not catalyzed
- Solvent free
- Violet colour
- Solid content 44%

APPLICATION PROCESS

	<p>PREPARATION OF THE FABRIC</p> <ul style="list-style-type: none"> - New fabrics: degrease with CLEANSER - With recovered fabrics: apply in advance SPARK BOON or CLEANER STRIP PASTA, later treat with CLEANSER
	<p>PHOTOSENSITIZER MIXING</p> <ul style="list-style-type: none"> -Sensitize with DIAZO MICRO HD PLUS to add directly to photoemulsion. -Allow the mixture to rest for at least 2 hour before use to permit the necessary air release.



	<p>APPLICATION</p> <p>The application process is related to the type of fabric used; ZENIT PLUS is recommended on fabric weave between 34 up to 120 th/cm.</p> <p>As a model you can use:</p> <ul style="list-style-type: none"> • One coat of emulsion on the “printing side” • Two coats on the squeegee side (follow the indicated order). <p>If a higher build is required, extra coats should be applied on the squeegee side of the screen</p> <ul style="list-style-type: none"> • Dry in a ventilated oven at 30°C-36°C (at least 40 min). <p>Ideally place the screen in horizontal position with the print side face down. The drying time changes depending on the amount of the applied photoemulsion. If the oven or the room has elevated humidity, use a dehumidifier.</p>
	<p>EXPOSURE</p> <p>A proper exposure is needed to ensure the best performance of the screen. Wrong exposure values cannot guarantee the necessary resistance during printing. It is recommended to use the Exposure calculator for targeted preventive tests to detect the correct times.</p>
	<p>DEVELOPMENT</p> <p>Immerse the screen in a tank with water at room temperature for about 5-10 minutes, followed by rinsing with water spray jet on both sides up to the complete opening of the design details. Dry in an oven at maximum temperature of 45°C.</p>
	<p>RETOUCH</p> <p>Any retouch can be done with the same sensitized emulsion, perform subsequently a few minutes post-exposure to UV light.</p>
	<p>RECOVERY</p> <p>If not hardened and for the removal of the emulsion at the end of the printing job, it is recommended to clean the stencil adequately and to use Polistrip series products.</p>
	<p>CATALYSIS</p> <p>In the need to extend print runs and increase the chemical/mechanical resistance, screens can be treated with CATALYST 210, applying the product with a sponge or a soft brush on both sides by uniformly wetting the surfaces. Leave the catalyst to act for about half an hour. The stencils can be used after 12 hours from application if left at room temperature or within 60 minutes if dried in a hot air oven at 50°C-60°C.</p> <p>Stencils that were treated with this cold catalysis chemical hardening process cannot be recovered.</p>



PACKAGING

1kg, 5kg, with respective diazo.
Other bigger packaging under request.

SPECIAL RECOMMENDATION

- Always test the characteristics of the product before application.
- Always use the product in a yellow light-screened environment.
- The emulsion, when stored at a maximum temperature of 25°C has a shelf life of about 12 months
- Safety Data Sheet available on request

IMPORTANT NOTE

The information in this technical data sheet is not intended to be exhaustive and is based on our current knowledges and as well on the current laws. Anyone who use this product for purposes other than those specifically recommended in the data sheet without first obtaining written permission, does it at his/her own risk.

Although we strive to ensure that all advices we give about the product are correct, we have no control over both the quality and the condition of the substrate or the many factors affecting the use and application of the product.

Consequently, in the absence of a specific written agreement, we do not accept any liability for the product performance or for any loss or damaged caused by it.

The information contained in this form are subject to periodic changes under the light of experience and our policy of continuous development. It is user's responsibility to check that this sheet is current prior to using the product.