

# FLEXIBLE PACKAGING

News for Flexible Packaging · Canada & U.S. (CUSA) Edition



## Alcohol Based Two Component (2K) Varnishes for Today's Packaging Needs

Please get in touch if you have any questions:  
[info.us@siegwerk.com](mailto:info.us@siegwerk.com)



**Process:** flexo, surface print  
**Filling goods:** frozen foods  
**Key functionality:** gloss, heat resistance, specific CoF

*Have you ever wanted to achieve the properties of traditional 2K varnishes, but were limited by photopolymer plates?*

*Have you ever wanted to register 2K varnishes for an optical effect on your package?*

In Siegwerk's January Newsletter, you learned about 2K solutions for a multitude of applications. In this newsletter, Siegwerk is excited to present an alternative 2K varnish option: an alcohol based version.

Traditional 2K varnishes are inhibited by alcohol (and water), and must be diluted with acetate or MEK, leaving them a challenge to print flexographically. The alcohol based versions are easily printed with flexographic equipment, as they can be diluted to press viscosity with alcohol or alcohol/acetate blends.

After being mixed together, the two components begin an irreversible chemical reaction. In the same fashion as traditional 2K, the reaction creates a lacquer exhibiting outstanding characteristics. There are many varieties of alcohol based 2K varnishes, but the two most common are high gloss and matte. If you were to compare the properties to traditional 2K, the alcohol based versions are not quite as resistant.

However, in comparison to most traditional 1K varnishes, you can expect to achieve better:

- Heat resistance
- Rub and scratch resistance
- Mechanical resistance
- Chemical resistance

With alcohol based 2K varnishes, you don't need to worry about using acetate resistant plates and these products are much more friendly for holding registration on flexo presses.

While there are still special handling and print specifications for alcohol based 2K varnishes, there are many benefits to this type of an ink solution.

**Functionality Achieved:**

- High quality print solution comparable to lamination in gloss with high abrasion resistance
- Great gloss; comparable to EB
- Good chemical resistance, frozen crinkle resistance
- Very good heat sealing stability at high temperatures



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## Joint Efforts to Help Fight Hunger

In a joint effort, Siegwirk and Multi Packaging & Printing are working to help a worthwhile cause. Over the past year, Siegwirk has become very involved with a locally headquartered organization called Meals from the Heartland (MFTH) by donating time, resources and money. MFTH is a non-profit organization composed of volunteers who package meals for delivery to starving people around the world as well as in the United States. Last year MFTH distributed between 15-20 million meals all over the world!



*The first run of bags was printed mid-July to be used for MFTH's Annual Hunger Fight event held August 31 - September 3, 2016 in Des Moines, Iowa.*

Siegwerk sends a group of employees each month to package meals. The average for a Siegwirk team in a two hour period is to package 6,000-8,000 meals comprised of soy, rice, dried vegetables, and a vitamin packet. The team is responsible for putting all the contents in the bag, weighing to ensure accuracy, sealing, labeling, and then packaging it into a box for shipping.

In addition, Siegwirk has coupled with Multi Packaging & Printing in Newton, Iowa to print the packages which hold the meals. Being family-owned businesses with a long-time working partnership, both organizations felt that this was a perfect fit to give back to the community. While Siegwirk is donating the ink for this venture, other contributions are being made by other co-suppliers including RR Donnelly, Valley Packaging Supply, Flex Films Inc., and Elite Extrusion Technology Inc. \$0.92 of every dollar donated to MFTH goes into the food packaging and transportation around the world. Any savings on the packaging costs is just that many more meals that can be packaged.

*"Our organization is truly blessed by the relationship we have with Siegwirk. Their heart and passion for our mission to feed the starving in Iowa, the United States, and around the world never ceases to amaze me." Greg Dehaai, Director of Operations from Meals from the Heartland states. "The team at Siegwirk contacted Multi Packaging & Printing with an idea to try and reduce the price of the meal pouches for our Annual Hunger Fight. Through the generosity of these two companies and the other vendors involved, the reduced costs will provide over 70,000 meals for kids who are going without. It is because of businesses like these that we are making a difference in world hunger."*

For more information on Meals from the Heartland, visit their website at <https://mealsfromtheheartland.org/>

## INKday 2016 in Chicago

On **August 9<sup>th</sup>, 2016** we will be hosting INKday in the Windy City – its a forum for meeting experts, sharing ideas and discovering new solutions in the world of INK!

This year we are excited to announce our keynote speaker is **Stephen Klump, Head of Packaging Quality and Safety at Nestlé.**

Sessions will vary from narrow web and flexible packaging topics that include:

- Color matching efficiencies
- Continuous improvement
- Functional OPV
- Inks for retort
- Inks for tobacco packaging
- Innovations and new developments
- Low migration
- UV LED solutions
- WB/UV technology with shrink sleeve

*Speak to your Siegwirk sales representative for more information.*

