

# Food Rotation Products

## About 3 Sigma

Established in 1980, 3 Sigma is a fast-growing innovator of pressure sensitive adhesive coated products. 3 Sigma uses its solvent, emulsion and hot melt technology expertise to produce specialty or complex adhesive constructions at our facility in Troy, Ohio. Our flexibility, creativity, market experience and unique product commercialization approach enables us to create higher margin, innovative products for our customers, helping them to capture market opportunities, reduce waste and production costs, and increase output.



## A Proven Approach

Research and Development of custom adhesives and top coats for highly specialized pressure sensitive products is our specialty. Our solvent, emulsion and hot melt chemistry and manufacturing capabilities are utilized every day to create unique, value-added products for our customers that add directly to their bottom line. 3 Sigma's research and development personnel have worked in large multi-national corporations and follow a unique, collaborative approach when working with customers and strategic partners, ensuring alignment and a superior customer experience.



# Food Rotation Products



## 40# Water Dissolvable/WD (FG)/40# Liner

3 Sigma's water-dissolvable product is constructed with a 40# super calendered paper using a Food Grade Water Dissolvable adhesive. Our product is perfectly suited for food service related applications that require date coding for temporary identification and traceability. Our product has been optimally designed to provide the necessary performance and durability while in use and the ease of removal when the product needs to be washed or reused. Both the paper and adhesive dissolve quickly and wash easily away in room temperature water. Potential applications for this product are Food Tray marking and identification, Returnable container and Totes, Water Toys and Temporary marking for Watercraft.



## 40# Direct Thermal Water Dissolvable/WD (FG)/40# Liner

3 Sigma's Direct Thermal water-dissolvable product is highly engineered-constructed with a 40# super calendered paper using a Food Grade Water Dissolvable adhesive. This direct thermal product can also be utilized on most web and sheet fed presses, including letterpress, flexography and dry offset processes. The paper and the emulsion acrylic adhesive dissolve quickly in room temperature (or above) water.



**Product is subject to change and degradation in high humidity or moisture levels. Special care and packaging is required in handling and processing. Please contact 3Sigma for all specifics of these products.**



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## Max-Duty 3Mil Sigmaflex/A214/40# Liner

Max-Duty is a product specifically engineered to work in a wide range of demanding environments specifically associated with food storage and rotation. Max-Duty is your best answer when needing to address wide fluctuations in temperature and humidity & containers with soaps/detergents and greases. Max-Duty's adhesive properties allow for an aggressive bond, but easy removal leaving no adhesive residue or ghosting. The construction is finished off using a durable liner that protects the adhesive, allows for easy removal of the label itself and provides an excellent die-cutting surface.



## Max-Duty Direct Thermal 3Mil Sigmaflex DT/A214/40# Liner

Max-Duty's Direct Thermal version provides you with the outstanding features of the standard product with the added function of Direct Thermal print-ability. The surface provides a very smooth face with a medium to high sensitivity for printing and an extremely readable print characteristic which is critical in food safety and rotation applications.





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## CleanStik 60# Matte Litho/A214/40# Liner

CleanStik provides a general purpose paper face combined with our superior durability acrylic adhesive to handle a wide range of Food Labeling and Food Rotation applications. CleanStik will stand up to most standard Food Labeling applications where the environment does not call for extreme conditions of temperature, grease or cleaners. CleanStik's aggressive adhesive will stick well to a variety of surfaces, however, when the label needs to be removed it comes off easily leaving no residue or film. CleanStik has a premium liner providing superior die-cutting, application and label protection.



## CleanStik Direct Thermal 50# DT /A214/40# Liner

Our CleanStik Direct Thermal version provides you with all the features of our standard CleanStik, but with the added function of Direct Thermal printability. The surface provides a very smooth face, medium to high sensitivity for printing and an extremely readable print characteristic so critical in Food Safety and Food Rotation applications.





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**ArcticStik 60# Matte Litho /A7000/ 40# Liner**

**ArcticStik 55# SG /A700/ 40# Liner**

ArcticStik products work in cold temperatures and freezer storage for extended periods of time. The All Temperature adhesive will work in a wide range of storage atmospheres and perform well in those environments. The face-stocks are superior quality and offer excellent printability using multiple print and ink technologies.



**ArcticStik Direct Thermal 50# DT/A7000/40# Liner**

ArcticStik's Direct Thermal version provides you all the premium features of our standard ArcticStik product with the added function of Direct Thermal printability. The surface provides a very smooth face, medium to high sensitivity for printing and an extremely readable print characteristic so critical in food safety and rotation applications.





**3Sigma**  
**1985 West Stanfield Rd.**  
**Troy, Ohio 45373**  
**1-800-347-3091**  
**[www.3Sigma.cc](http://www.3Sigma.cc)**

