VERSALINER® OFFSET
DESIGN AND PRINTING GUIDELINES



ClingZ Versaliner Offset is an adhesive-free, statically charged graphic media, composed of a 2 mil polypropylene (PP) film and a 10 pt. printable, full contact paper backer. This product is suitable for conventional and UV offset, as well as UV-curable wide format print systems. ClingZ Versaliner Offset is ideal for temporary signage and marketing applications, and it clings up to 6 months on any dry indoor surface, except fabric or very porous materials. This product is available in white sheets.

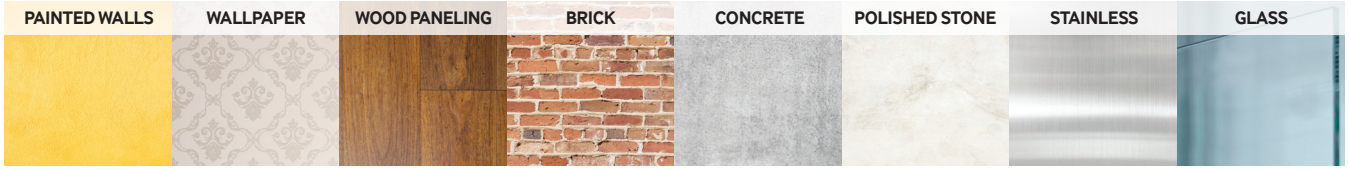
PRINTING AND DESIGN

- Design for finished sizes of at least 3"x5" (8x12 cm). Convert any PMS spot colors to CMYK process-ink builds. Stay within a total area coverage (TAC) of 220% in color build with a line screen of 150-175.
- Reduce screen values by using UCR or GCR. Avoid heavy deposits of ink near the edge.
- Ink against glass applications require a 1" border to enhance performance. Most film side applications will not require an unprinted border, however a .75" border can improve hang time on graphics that approach the 220% maximum ink coverage.
- This product is not suitable for screen printing or any type of coating, including varnishes, aqueous, and UV coatings.
- Position feeder air blowers to separate sheets and minimize blocking; position side air blowers towards the rear of the stack to separate the first 5-10 sheets.
- Run at press speeds of 7,000-8,000 impressions per hour.
- The appearance of lightning bolts is inherent in ClingZ Versaliner as a result of the charging process, with a 3-5%incidence overall. Conventional inks will print over them, UV inks will not. Use ClingZ approved inks to prevent charge loss and swelling of the film. Turn off static eliminators on press.
- Test the production setup and suitability of ClingZ Standard Offset for the application prior to each print run.

FINISHING

- ClingZ Versaliner Offset can be die cut, kiss cut, perforated, perf-scored, and folded. Avoid long, thin pieces and sharp angles to reduce risk of tearing. Die cut with hard ejection black rubber. Perforate with 12-14 teeth/inch knives. Use a minimum of $^{1}/_{64}$" (0.4 mm) round die for inner corner cuts. The material can be easily tiled for large coverage graphics.

Easy to apply and remove from these surfaces:



NEKOOSA

800.826.4886 | sales@nekoosa.com

NEKOOSA.COM

10.30.26

STORING

- Store in the original packaging at room temperature 65°-80° F (18°-27° C) with relative humidity of 25-50%.
- Acclimate the material to press room temperature for 24 hours prior to printing.
- Remove material from plastic bag just prior to loading press.
- Reseal unused materials in the original plastic bag.
- Paper backer is moisture sensitive and can curl if improperly stored.
- Unprinted ClingZ Versaliner Offset can be stored for up to one year

PACKING AND SHIPPING

- Archive-safe poly bags recommended for packing.
- Avoid anti-stats or volatile organic compounds (VOCs) in packing materials.
- Fresh corrugated cardboard or other newly printed materials can contain VOCs that may affect the charge ClingZ film.
- No heat-activated shrink wrapping. Material must be rolled print side out.

RECYCLING

- ClingZ Versaliner Offset is recyclable as #5 plastic.
- The backer can be recycled with regular paper.

CONVENTIONAL OFFSET

Use a minimal amount of dampening. If local ordinance permit, alcohol may be added to the fountain solution at 5%, in place of the alcohol substitute to help drying. Limit the use of IR dryers. The heat from standard drying systems and IR dryers reduces the electrical charge and swells the film. In-stack temperature should not exceed 90° F (32° C). Plan to let the product dry for 24-48 hours. Rack loads in short lifts commensurate with ink coverage. Continually check drying of loads once off press to insure ink is completely dry before off-loading for bindery or finishing. Use a minimum of 50 micron coated spray powder to help facilitate drying and reduce offsetting.

RECOMMENDED INKS

- Great Western, Challenger Ink Series (Black, Cyan, Magenta, Yellow)
- Ink Systems, S/F ClingZ® Process Ink Series (B: SK-16054, C: SB-16053, M: SR-16052, Y: SY16051)
- INX International, Low VOC CZ Hardri Inks (B: 1321454, C: 1321584, M:1321638, Y: 1321689)
- Sun Chemical, Sun Tec Super Dry Inks (B: SF1K10002, C: SF2C10002, M: SF3M10002, Y: SF4Y10002, W: MN 14940)
- Superior Printing Inks, 100% Solid Inks (B: AE-1658, C: MBE-8718, M: DRE-1481, Y: YC3897, W: W-1674)
- Toyo Ink, TSP Low Tack Version Inks (B: TSG-CT, C: TSP-400, M: TSP-400, Y: TSP-400, W: TSP-400)

UV OFFSET

Use UV inks that will cure at reduced lamp settings. Ink drawdowns are recommended prior to running as some UV inks will cause swelling or ripples in the film. Inter-station drying is not recommended. Run with lamps in the delivery section only and set to the lowest setting possible. 4-6 hours are required to fully cure the ink. Use a minimal amount of dampening. Do not use fountain-drying stimulators.

If you have any questions or require any additional information, please feel free to contact us at sales@nekoosa.com and your inquiry will be directed to the appropriate contact.

The information provided herein is correct to the best of Nekoosa's knowledge, however, should not be construed as specifications. No liability for any errors, facts or opinions are accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.