

# Foilbond™ TC

A HIGH PERFORMANCE, UV CURABLE THROUGH CURE  
ADHESIVE OPTIMISED FOR COLD FOILING APPLICATION



## Foilbond™ TC

permits cold foiling on a wide variety of substrates and eliminates the need for costly, heated rotary dies. The technology uses the respective print process in combination with the printing plates to transfer the desired image to the substrate with final UV curing of the adhesive. Best results have been achieved with UV Flexo.

### Applicable substrates include:

- Polyethylene (PE) and Polypropylene (PP)
- Vinyl
- Various paper substrates; coated semi-gloss or gloss material
- Plastic laminate tubes
- Unsupported and heat sensitive films
- Cartonboard

Applications include any that require foiling or the appearance of foil, such as cosmetics, wine labelling, packaging etc. Foilbond™ TC can be used in combination with most of Flint Group Narrow Web's ink technologies.

PROPERTIES	BENEFITS
<ul style="list-style-type: none"><li>• Excellent bonding</li></ul>	<ul style="list-style-type: none"><li>• Fine detail foiling</li></ul>
<ul style="list-style-type: none"><li>• Press ready</li></ul>	<ul style="list-style-type: none"><li>• Easy to use</li></ul>
<ul style="list-style-type: none"><li>• Single component formulation</li></ul>	<ul style="list-style-type: none"><li>• Reduced make-ready</li></ul>
<ul style="list-style-type: none"><li>• Coloured adhesive</li></ul>	<ul style="list-style-type: none"><li>• Easy to see adhesive is easy to work with</li></ul>

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## Availability

- in UV Flexo UVH00007 (Green tint)
- in UV Flexo UVH00008 (Colourless)
- in UV Letterpress UVH00123

The information contained in this brief product presentation is based on long experience of Flint Group Narrow Web and on internal standardised tests. It is not to be interpreted as a warranty or guarantee in any form as conditions beyond our control can affect the quality of the printing. If there is any doubt, the user should always make every effort to ensure that the products used are appropriate for the purpose.

## FOILBOND™ TC OFFERS:

- Excellent laminating adhesion
- Proven suitability on a wide variety of substrates
- Capability of being printed combination with most ink technologies
- High curing speed
- Allows for higher printing speeds relative to hot foil stamping

## Cold Foiling Technology:

Foilbond™ TC is a UV curable adhesive developed for a wide variety of substrates and optimised for through cure cold foiling technology. The technology involves the printing of Foilbond™ TC ThruCure adhesive onto the desired substrate using for example the flexographic printing technique. The substrate, along with the Foilbond™ TC adhesive, is nipped with the foil and passed through the UV unit while still under pressure. The foil transfers from its carrier and adheres to the adhesive. This technique eliminates the need for costly, heated rotary engraved dies, or changes in press configuration. With a wider range of running speeds compared to those of traditional hot foil stamping, the converter is offered a number of major benefits. These include halftone metallic effects, and clear fine detail foiling with no recession of the foiled image into the substrate. This technology is extremely useful in combination print applications; the process is in-line, therefore allowing the printer to print various inks on top of or underneath the foiling without having to reconfigure the press.

**For more details on Foilbond™ TC,  
call your nearest Flint Group Narrow Web office or dealer.**

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