

Technical Data Sheet

Pull-n-Burst (PnB)

Product Description:

Pull-n-Burst (**PnB**) is the Ronald T. Dodge Company's version of the scent. PnB is a special effect scented water-based ink containing microencapsulated scents for application on a Sterling Web Gloss based paper with Offset web and flexographic presses that are equipped with chambered doctor blade anilox systems as well as Screen-Printing. Pattern gluers and remoistenable glue stations are the most often used methods of application. Contact Ronald T. Dodge Co. for additional information.

Product Physical Characteristics & Guidelines:

- Viscosity 15 - 20 second in a #5 Zahn cup @ 77° F
- Solids < 45%
- Shelf Life 6 - 12 months depending on the fragrance manufactures recommended fragrance shelf life.

- Coverage is approximately 145,000 in² per gallon of product.
- Due to possible settling of the scented capsules contained in the **PnB** during storage, this product should be thoroughly mixed prior to application. We suggest a 'pumping' type mixing blade with typical mixing speeds between 100-800 RPMs. High sheer type of mixing should NOT be used.
- **PnB** should be constantly mixed / re-circulated while on press to negate any potential settling.
- **PnB** contains a binder for adhering the microcapsules to the substrate.
- As a guideline we suggest using a quadrangular cell with a truncated bottom, backing off the doctor blade by 1/2 mm, at an angle of ~90 degrees, with 40-70 cells per inch (16-24 mil spacing / 400-600 micrometer spacing).

Applications:

- **PnB** is applied as a finishing process and should be run on the last station of the press.
- **PnB** is press ready water-based slurry.
- **PnB** product depending on lay down and color of fragrance oil will be translucent in nature and give a matte finish to the printed area.
- **PnB** coatings should be constantly mixed/re-circulated while on press to negate any potential.
- Ensure that the Scented Aqueous Coating will dry/cure thoroughly and should be dried prior to packaging. The amount of heat needed is just enough to evaporate the majority of the water to decrease tackiness.

Performance Characteristics:

- **PnB** exhibits an excellent scent / fragrance rendition.
- **PnB** should be completely evaluated under production conditions using the actual substrate, ink, and materials to ensure process satisfaction.

The information and recommendations in this publication are to the best of Ronald T. Dodge's knowledge and are only opinions. The user of the above product should make their own tests to determine the suitability of the product for their own particular purposes, perceptions and application methods. However, because of numerous factors affecting results, Ronald T. Dodge Company makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for particular purpose. Extra care should be taken to ensure all special effect coating materials and scents are removed to prevent contamination to other products. NOTE: some scents/fragrances have a color and this will be apparent in the capsules and the above product may have a colored tint to it.

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