

Special Effects AQ Coatings / Scented Pearl Coating (SPC)

Product Description:

Scented Pearl Coating (**SPC**) is a special effect acrylic based aqueous coating containing silver pearl pigments and microencapsulated scents for application to paper and paperboard with litho in-line coaters and flexographic presses that are equipped with chambered doctor blade anilox systems. Typical applications include commercial, folding carton and specialty printing work where a special effect finish is desired. Contact Ronald T. Dodge Co. for additional information.

Product Physical Characteristics & Guidelines:

- Viscosity 20 - 22 second in a #3 Zahn (Signature) @ 77° F
- pH 8.0 -8.5 @ 77° F
- Solids < 46%
- Shelf Life One year (unopened container)

- **SPC** is a Special Effect acrylic-based aqueous coating containing pearl pigment and scented microcapsules.
- Coverage is approximately 0.8 - 1.2 pounds / 1000 ft². Typically the lower end of this range is most prominent because putting more down increases the intended effect.
- Due to possible settling of the scented capsules and pearl pigments contained in the **SPC** 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.
- 12-14 BCM anilox roller generally provides the desired film thickness for **SPC** properties.
- A chambered doctor blade anilox configuration will exhibit a smoother appearance versus a 2-roll coater.

Applications:

- **SPC** is applied as a finishing process and should be run on the last station of the press.
- **SPC** coatings should be constantly mixed/re-circulated while on press to negate any potential settling of the pearl pigments and scented microcapsules.
- Ensure that the ink system will dry/cure thoroughly. Avoid extreme stay open inks.
- Recommend using short lifts for sheetfed litho jobs with heavy ink coverage.

Performance Characteristics:

- **SPC** exhibits an excellent gloss and clarity.
- **SPC** exhibits excellent rub and scuff resistance.
- **SPC** exhibits typical luster characteristics associated with pearl pigments.
- **SPC** has been used with litho oil-based, UV, UV Hybrid, web heatset and aqueous flexo in systems and is suitable for work & turn and one-sided printing.
- **SPC** may be suitable for hot foil stamping, off-line UV coating, imprinting and gluing applications.
- **SPC** should be completely evaluated under production conditions using the actual substrate, ink, and materials for foil stamping, off-line UV coating, imprinting and gluing to ensure process satisfaction.
- Most aqueous coatings are alkaline in pH. We recommend that the printer avoid the use of inks containing pigments that may bleed or change color when being exposed to an aqueous coating.

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.