

Special Effects AQ Coatings / Scented Sparkle Coating (SSC)

Product Description:

Scented Sparkle Coating (SSC) is a special effect aqueous coating containing a sparkle effect 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 & Nomenclature:

- Viscosity 20 - 24 second in a #3 Zahn (Signature) @ 77° F
- pH 8.0 -8.5 @ 77° F
- Solids < 56%
- Shelf Life 6 months (unopened container)

- SSC is a Special Effect aqueous coating containing 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 glitter pigments contained in the SSC 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.

Applications:

- SSC is applied as a finishing process and should be run on the last station of the press.
- SSC coatings should be constantly mixed/re-circulated while on press to negate any potential settling of the 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.
- > 16 BCM anilox roller generally provides the desired film thickness for SSC effect.
- *A chambered doctor blade anilox configuration will exhibit a smoother appearance versus a 2-roll coater.*

Guidelines:

- SSC exhibits an excellent sparkle appearance with excellent gloss.
- SSC exhibits excellent rub and scuff resistance.
- SSC 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.
- SSC may be suitable for hot foil stamping, off-line UV coating, imprinting and gluing applications.
- SSC 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 satisfaction throughout the entire process.
- 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.

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