

## ClearShield® Technical Information

We generally recommend the following dry film thickness:

- **ClearShield Water-based Clears** - .7 to 1 mil dry film
- **ClearJet Solvent-based Clears** - .5 to 1 mil dry film

This chart shows you the theoretical coverage at 100% transfer efficiency. Fine Art versions tend to penetrate much more than standard versions so the surface film build will be lower, yet the protection will be excellent.

	1 mil dry	.5 mils dry
<b>ClearShield (all products)</b>	480 sq. feet	960 sq. feet
<b>ClearJet Type S (FA &amp; Original)</b>	370 sq. feet	740 sq. feet
<b>ClearJet Type BR (FA &amp; Original)</b>	485 sq. feet	970 sq. feet

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- Roll and mop applications transfer at 100% efficiency.
  - Conventional spray applications transfer at 35% efficiency.
  - HVLP spray applications transfer at 65% efficiency.

### **We believe in testing.**

As the digital industry grows and more inks and media types are introduced, it is now impossible to predict the compatibility of every combination of media, ink, and clear coat. We strongly recommend that you test before use. A test will immediately show you incompatibilities, including water sensitivity, ink jet receptive layer mud cracks, and ink bleeds.

Generally, let the tested material dry for at least 24 hours. Evaluate the adhesion, flexibility, and visual appearance. Be realistic in your expectations and simulate the conditions the material will be exposed to. Clearstar maintains working relationships with media manufacturers, our distributors, and our customers. We are happy to provide testing for our industry friends and customers.