

# Plastisol - Ink Series

## Polymer-Based Coatings



**PROTECH**  
— GROUP —

Bold Prints. Lasting Performance.



### Overview

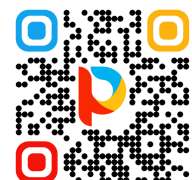
Plastisol inks are heat-cured, PVC-based formulations that deliver vibrant color, flexibility, and durability. Stable at room temperature, they cure when heated to form a tough, flexible film. Ideal for textiles, plastics, metals, and coated surfaces, these inks offer excellent opacity and long-term color retention. Formulations can be customized for viscosity, tack, hardness, and cure profile to suit specific application needs.

### Main Features

- Provide strong adhesion, securely bonding to a wide range of surfaces with proper curing.
- Offer excellent resistance to abrasion and wear, protecting prints from mechanical damage.
- Allow adjustments and corrections before curing, adding flexibility during production.
- Maintain long shelf life, remaining stable over extended periods with proper storage.

### Common Uses Include

- T-shirt and apparel printing
- Grip patterns or textured prints for added function
- Labeling on metal or coated components
- Flexible packaging prints



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### Customizable Properties

|                                     |                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Controlled Viscosity</b>         | Ensures uniform coating and smooth flow, with stability for consistent, repeatable results.      |
| <b>Gelation and Cure Profile</b>    | Defined gel point and cure time ensure proper fusion and compatibility with heating cycles.      |
| <b>Adhesion to substrate</b>        | Ensures strong bonding to metals, plastics, or treated surfaces; often improved with primers.    |
| <b>Color and finish consistency</b> | Delivers uniform appearance across batches with options like matte, gloss, or textured finishes. |
| <b>Customizability</b>              | Formulations can be modified for dip speed, dwell time, wall thickness, or final hardness        |

### Consistent Quality. Proven by Performance.

At Protech Group, quality isn't just a feature—it's a promise. Our coatings are engineered to deliver consistent performance across every application, ensuring reliable results and a flawless finish each time. With rigorous quality control and decades of technical expertise, we maintain the highest standards from formulation to final product. Whether you're coating complex parts or high-volume assemblies, you can count on Protech for dependable performance and superior, long-lasting quality.

### Custom Formulations

Leveraging decades of experience, The Protech Group partners with you to create tailored coating formulations that meet your unique application, budget, and production needs.

