



YIGE Ink

Screen and Pad printing

Profession

Color match

Customization

Manufacturer

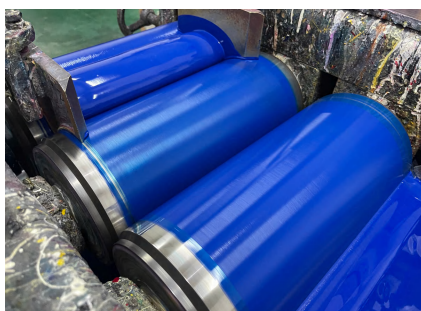
Company Profile

Yige ink mainly produces, sells, customizes and develops products based on silk screen and pad printing printing methods. Its products are used in many fields such as electronic appliances, daily products, textiles and clothing, toys, sports, and automobile manufacturing.

Yige Ink has after-sales technical support and independent research and development capabilities, and can conduct customized product development in response to customer needs and new substrates. Specializing in the production of solvent-based ink, water-based ink, UV/LED light curing ink etc., suitable for printing high and low temperature glass, aluminum and iron metal, various plastic materials such as PET, ABS, PC, PP, film and other materials.

We develop corresponding series for various coatings, hand-feel paints, floor glues and other materials, and can achieve wear resistance, alcohol resistance, gasoline resistance, acid and alkali resistance, chemical resistance, weather resistance, ultrasonic resistance, UV resistance and other effects. Yige ink products can pass ROHS, REACH, VOCs, halogen-free, PAHs-free, EN71-3, PFAS/PFOS-free test.

Focusing on the printing industry for more than 20 years, Yige Ink adheres to quality-oriented, continues to iteratively optimize product technology, specializes in industry problems, and has gained recognition from many outstanding companies that have maintained good and stable cooperative relationships to this day.



Advantages

Key Product Advantages

1. Universal Compatibility

- Suitable for diverse substrates: metal, plastic, glass, etc.
- Supports UV/LED-curable, solvent-based, and water-based formulations to meet varied drying conditions.

2. Eco-Compliance & Safety

- Global Certifications: RoHS, REACH, FDA (food-contact grade), EN71-3 (toy safety), compliant with EU and North American standards.
- Low VOC emissions, aligning with green manufacturing regulations.

3. Outstanding Performance Metrics

- Adhesion: 5B rating (ASTM D3359 cross-cut test, zero peeling).
- Abrasion Resistance: ≥ 500 cycles (RCA tape test, 175g load).
- Chemical Resistance: No fading after 24-hour immersion in alcohol, gasoline, or detergent.
- Weather Resistance: QUV accelerated aging test (1,000 hours), color deviation $\Delta E < 2.0$.

Certifications & Technical Support

To ensure product reliability, we provide:

- Third-Party Test Reports: SGS or other accredited lab certifications for performance and compliance.
- MSDS (Material Safety Data Sheet): Detailed chemical composition, storage guidelines, and handling instructions.
- Custom Testing: Sample testing and data validation tailored to your substrates and processes.

Partnership Benefits

- Cost Efficiency: High-opacity formulas reduce printing passes, lowering material consumption by 15%-30%. 1kg of ink can be diluted to cover an area of 40 m².
- 24/7 Technical Support: Rapid troubleshooting for ink-substrate compatibility issues.
- Flexible Supply: Small-batch samples, custom color matching, and fast lead times.

Certifications

The YIGE series products comply with the following certifications and testing standards:

- EU RoHS and REACH compliance certifications
- Volatile Organic Compounds (VOCs) testing
- Halogen-Free certification
- Polycyclic Aromatic Hydrocarbons (PAHs) free certification
- EU EN71-3 Toy Safety Standard testing
- Per- and Polyfluoroalkyl Substances (PFAS/PFOS) free testing
- Material Safety Data Sheet (MSDS) available upon request



Series	Applied Material	Feature	Gloss	Drying method
YG10	PVC, acrylic, PMMA, ABS, PS, AS, PC, HIPS	Good printing performance, alcohol resistance, plasticizer resistance, and weather resistance	Bright	Natural evaporation
YG12	PVC, leather, paper, sticker, nylon	Good printing performance, alcohol resistance, gasoline resistance, plasticizer resistance, good weather resistance	Bright	Natural evaporation
YG16	PS, PC, ABS, AS, PMMA, PC, PP	Resistant to n-hexane, gasoline and ethanol Resistant to butter and vegetable oils	Bright	Natural evaporation
YG18	3M reflective film, reflective stickers, acrylic, PS	Strong weather resistance, transparent and bright colors, high frequency and ultrasound	Bright	Natural evaporation
YG21	PS, PC, ABS, AS, acrylic	Not corrode the surface	Bright	Natural evaporation
YG25	ABS, AS, PS, PC, acrylic, PMMA, PET	Good weather resistance, thermoplastic, high gloss	Bright	Natural evaporation
YG40 (Water-based)				
YG26	Leather, soft leather, soft PVC, fabric, TPR	Wear-resistant, water-resistant, oil-resistant, good resistance to cold and heat, good flexibility, plasticizer resistance, strong adhesion	Bright	Natural evaporation
YG30	PET (PBT), PVC, PU, rubber, nylon, leather, fabric, PU spray paint, UV paint, elastomeric paint, water-based paint and floor glue	Wear-resistant, water-resistant, oil-resistant, good resistance to cold and heat, good flexibility, strong adhesion	Semi-gloss	Natural evaporation
YG31	PC, PET, PMMA, carbon fiber, polyester, coating, water-based paint, varnish, halogen-free ink	Ethanol resistance, gasoline resistance, strong adhesion, high gloss, boiling resistance, wear resistance, strong and torsion resistance, good stress cracking and cold and heat resistance, glass frosting effect	Bright	Natural evaporation, heat curing, two-component curing
YG34	Waterproof nylon cloth, leather, fabric, PVC plastic, PU (plastic, spray paint, hand-feel paint, elastomer)	Flexible, resistant to bending, waterproof, gasoline-resistant, good adhesion, alcohol-resistant	/	Natural evaporation, heat curing
YG41 (Water-based)	Metal and glass (low temperature single component)	Acid and alkali resistant, alcohol resistant, water resistant, salt spray resistant, oil resistant, bending resistant, punching and shearing resistant	Bright	heat curing
YG50				
YG51	Metal (no baking required), untreated PET Curing agent combination: spray coating, hard plastic, bakelite, electroplating, carbon fiber, ceramic, PVC coating, UV coating	Good adhesion, alcohol resistance	Semi-gloss	Natural evaporation, heat curing, two-component curing
YG54 (Single component)	Metal, glass, ceramic, carbon fiber, thermosetting phenolic plastic with a temperature resistance of more than 200°C	Wear resistance, chemical resistance, high hardness, toughness, good scratch resistance, glass frosting effect	Bright	heat curing
YG54	Metal, glass, PE, thermosetting phenolic plastic, carbon fiber, bakelite plastic, spray surface	Chemical resistance, strong adhesion, strong torsion resistance and good stress cracking resistance, glass frosting effect, resistance to (acid, alkali, alcohol, gasoline, crude oil, water, solvent, salt spray)	Bright	Natural evaporation, heat curing, two-component curing
YG56	PE, PP, PA, BOPP, PET, PC, POM, PMMA, painted surface, nylon plus glass fiber, TPU, TPR, PBS (biodegradable)	Good wear resistance, ethanol resistance, good printing performance	Semi-gloss	Natural evaporation, two-component curing
YG60	PP, PE, ABS, BOPP	Alcohol resistant, bending resistant, scratch resistant, good flexibility	Bright	UV/LED light curing
YG66	Metal, glass, bakelite	Alcohol and boiling water resistant	Bright	UV/LED light curing
YG70 (Water-based)	Home appliance glass, furniture glass	High temperature tempering, high hiding power	/	heat curing
YG71	High temperature glass	Tempering furnace 720°C	/	heat curing