Engineered for Consistency | Trusted for Performance.

# Sillevia
PIGMENT CHIPS

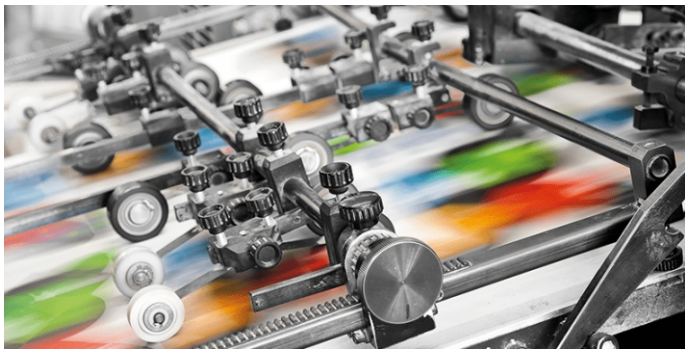
- ☑ Easy Dispersion
- ☑ High Jetness
- ☑ Good Stability
- ☑ Improved Processing Time
- ☑ Decreased Product Costs

SEVEN11®
SEVEN-11 INDUSTRIES

Sillevia Pigment Chips are engineered for superior dispersion, stability, and cost efficiency — delivering vibrant performance across inks, paints, coatings, cosmetics, and specialty applications.

www.seven11industries.com

## Printing Inks Pigment Chips



Pigment chips for printing inks are formulated to provide consistent colour strength, high gloss, and reliable print performance. They are suitable for flexographic, gravure, and silk screen inks used in packaging and specialty printing applications. These dispersions are engineered to simplify production processes and improve efficiency while maintaining high-quality output.

### Advantages

- Improved gloss finish and colour strength, resulting in consistent and high-quality prints
- Rapid dispersion using high-speed stirrers, eliminating the need for heavy bead milling
- Dust-free handling, ensuring safer and more environmentally friendly production
- Supports faster production cycles and flexibility for urgent requirements
- Pigments and resins are selected through extensive R&D for optimal performance and cost efficiency

### Technical Range

- Nitrocellulose-Based Chips (Spirit Soluble & Ester Soluble)
- Polyamide-Based Chips
- Vinyl Copolymer-Based Chips
- Styrinated Acrylic-Based Chips (for water-based inks)
- Polyvinyl Butyral (PVB)-Based Chips

*Custom dispersions can be developed for specific ink formulations*

### Applications

- Flexographic and gravure inks for packaging
- Silk screen inks for novelty printing

## Automotive & Industrial Pigment Chips

Pigment chips for automotive and industrial coatings are developed to deliver high colour strength, durability, and compatibility with a wide range of resin systems. These chips are optimized for OEM, refinish, coil coating, and general industrial applications, providing consistent performance under demanding conditions.

### Resin Systems & Compatibility

- Acrylic Polyol Resin - Suitable for automotive OEM and refinish coatings in 2K PU and TSA paint systems
- Polyester Resin - Recommended for coil coating and other industrial finishes
- Cellulose Acetate Butyrate (CAB) + Acrylic Polyol Resin - Designed as master tints for automotive and refinish base coats
- CAB & Nitrocellulose-Based Chips - High-performance pigmented chips with superior dispersibility

*Tailor-made dispersions can be developed based on specific customer formulations and performance needs*

### Processing & Performance

- 100% solid chips, dispersible in solvent and resin using high-speed stirrers
- Produces concentrated pigment pastes with excellent colour strength and stability
- Supports fast dispersion without heavy milling requirements

### Applications

- Automotive OEM & refinish coatings
- Coil coating for industrial substrates
- General industrial coatings requiring high-performance colourants

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## Cosmetics Pigment Chips

Pigmented chips for cosmetic applications are formulated to meet national and international safety standards, ensuring compliance and reliability for personal care products.

### Key Features

- Cosmetic grade Nitrocellulose and Ethyl Cellulose pigmented chips
- All pigments used are D&C approved
- Easily dissolved in solvents using high-speed stirring for efficient formulation

### Applications

- Colour cosmetics such as nail enamels, lipsticks, eye shadows, eyeliners and mascaras
- Other personal care formulations requiring safe, stable pigments

## Inkjet Pigment Chips

Pigment chips for digital printing are designed to provide stable, low-viscosity formulations with sub-micron particle size and narrow particle size distribution, ensuring improved gloss and transparency in ink formulations.

### Key Features

- Based on Vinyl Resin for digital ink applications
- Offers both high-performance outdoor end-use products and cost-effective limited durability options
- Can be readily incorporated into ink formulations using high-speed mixing techniques

### Applications

- Wide-format and grand-format digital printing
- Both indoor and outdoor digital ink applications depending on product grade

## Wood Coating Pigment Chips

Nitrocellulose-based pigment dispersions are widely used in wood furniture and industrial wood coatings due to their excellent compatibility, fast drying properties, and ease of application. These dispersions are designed to enhance colour strength, finish quality, and production efficiency while reducing formulation time and cost.

### Applications

- Wood furniture coatings for premium finishes
- Industrial wood coatings requiring fast processing and high durability

### Key Features

- Based on RS Nitrocellulose for superior film formation and adhesion
- Available in both chip and paste forms for flexible formulation options
- Provides uniform dispersion with minimal processing requirements
- Ensures consistent shade development and long-term stability

## Leather Coating Pigment Chips

Pigment chips for leather coatings are based on RS Nitrocellulose chips and are formulated to enhance both the aesthetic and functional properties of leather surfaces.

### Key Features

- Improves softness of leather while enhancing resistance to water, scratches, and fungus
- Can be used as topcoat finishes or protective coatings on artificial and natural leather
- Suitable for applications including leather jackets, fashion bags, seat covers, furniture covers, & shoes

### Applications

- Protective and decorative leather coatings in fashion and furniture
- Industrial leather applications requiring durability and finish quality

## Pigment Chips for Specialty Applications

Pigment chips for coding and marking inks are based on Vinyl (VYHH) dispersions and are designed to provide stable low viscosity, sub-micron particle size, and high colour strength, even on dark substrates.

### Key Features

- Stable low-viscosity dispersions for smooth ink flow
- Sub-micron particle size ensures uniform colour and performance
- High-strength pigment dispersions suitable for a wide range of substrates

### Applications

- Coding and marking inks for HDPE, PP, PVC, LLDPE, XLPE, rubber, and PTFE/Teflon
- Industrial marking requiring durability and high contrast on various surfaces

### Applications

- Whiteboard markers
- Other low-viscosity marking ink applications

## Marking Ink Pigment Chips

Pigment chips for whiteboard marking inks are designed to provide uniform particle size and stable performance, ensuring smooth writing and consistent colour.

### Key Features

- Exhibits uniform particle size for reliable ink flow
- Maintains low viscosity with no separation or sedimentation
- Can be readily incorporated into marking ink formulations

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