

**Evertint<sup>®</sup>**  
Polymeric Colorants for Polyurethane



## **Evertint<sup>®</sup> – Enjoy Smart Coloring Everyday !**

**Evertint<sup>®</sup>** are reactive polymeric colorants especially designed for polyurethane, could be used in various polyurethane applications as foam, elastomers, adhesives, and synthetic leather. Unlike traditional PU color paste which is pigment dispersion, **Evertint<sup>®</sup>** could react into PU polymer matrix directly. With superior performance, great compatibility and highly operational convenience, **Evertint<sup>®</sup>** is a must and a plus for polyurethane coloring.

### **High Color Strength**

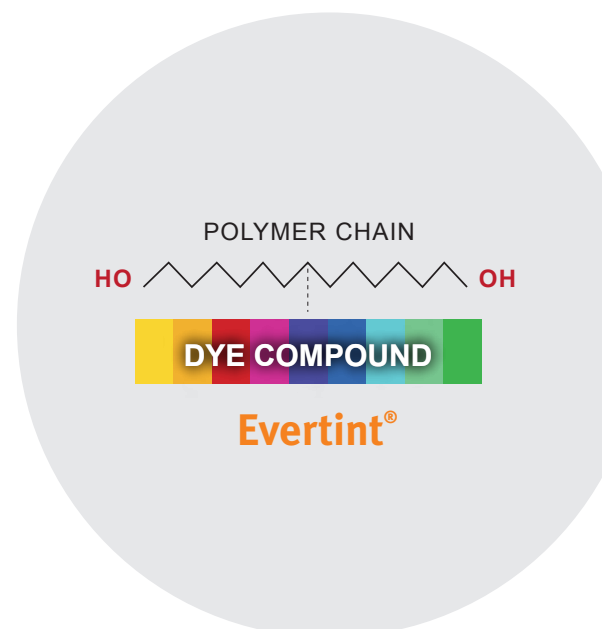
3-5 times stronger color strength than conventional PU color paste.

### **Strong Color Fastness**

- Strong chemical bonding formed by hydroxyl groups (-OH) reacting with isocyanate group(-NCO) in polyurethane.
- Superior color fastness and solvent-resistance, non-migrating and non-extractable.

### **Excellent Compatibility**

Highly compatible with both polyester and polyether urethane systems.







Footwear



Carpet / Furniture



Quality  
Efficiency



### No Effect on PU System

Highly stable and do not affect catalyst or foam formation  
Heavy metal free and do not promote scorch.

### Improve Product Quality

100% polyol-soluble, easy to achieve homogenous.  
Avoid streak, cracks, and pin holes commonly seen in high dosage of pigment.



### Easy to Handle

Low viscosity and no coagulation.  
Dosing easily by pump at room temperature.

### No Sedimentation

Homogeneous and polyol-soluble liquid.  
Do not settle, no stirring required before use.



### Simple Inventory

Keep only 6 primary colors in stock.  
Easy to produce any desirable colors.

### Low Toxicity

Free of solvent and heavy-metal.



### Easy to Clean

Soluble in water, easy to clean-up.

### Fast and easy color transition

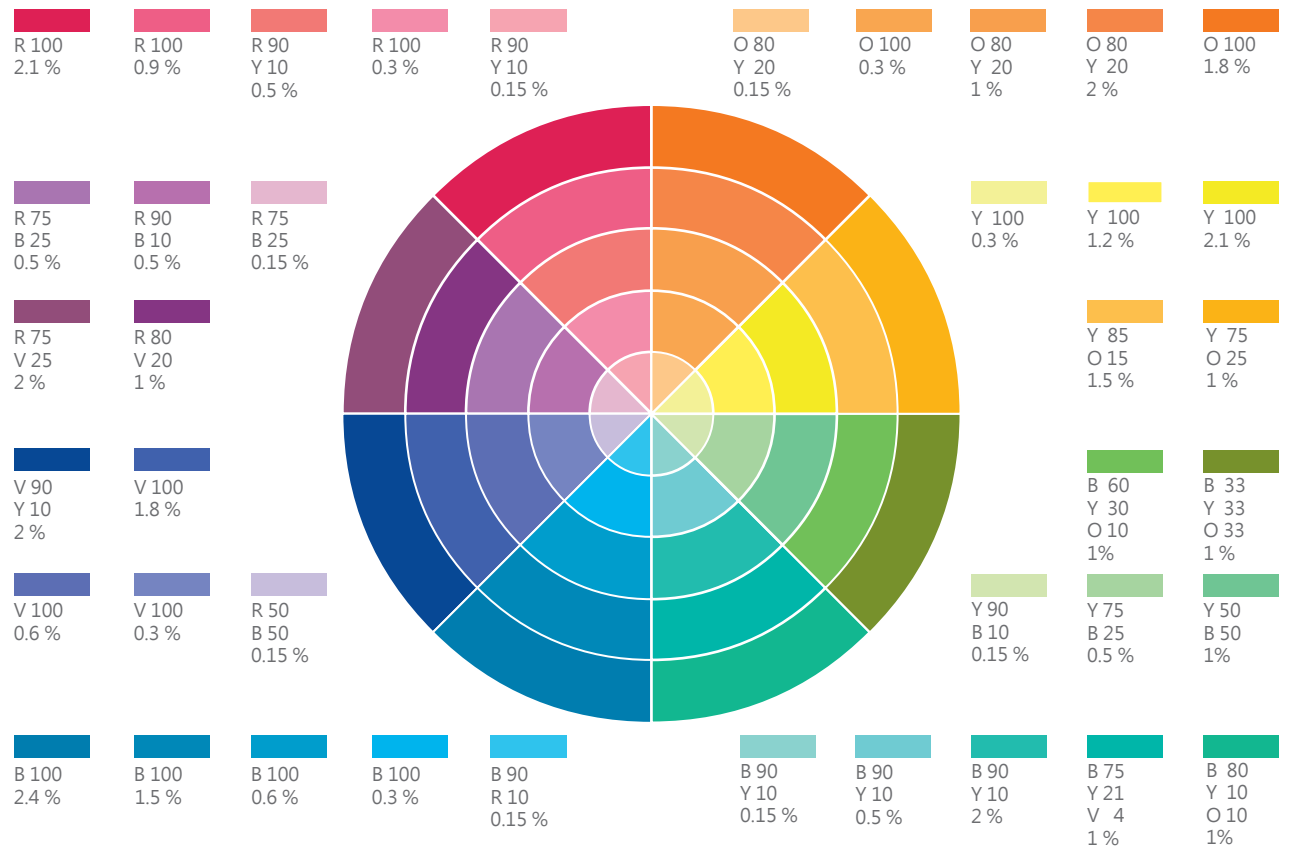
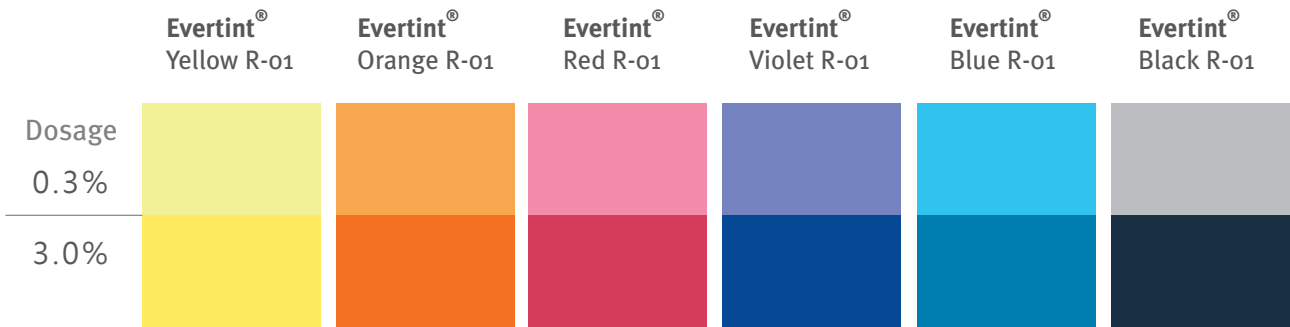
Time-saving and waste-reducing due to high polyol solubility.



Energy Saving  
Eco-Friendly



## Evertint® Colorants and Blend References



\* Material: TDI-based soft PU foam with density at 20-30 kg/m³



Spray Foam / Insulation Foam



Automotive Headliner / Seats

## Evertint<sup>®</sup> vs. Color Paste

	Evertint <sup>®</sup>	Color Paste
<b>Physical Property</b>	liquid	liquid or solid
<b>Appearance</b>	Homogeneous liquid	Pigment particles dispersion
<b>Color Strength</b> (Absorbance/g/l)	15-25	5-10
<b>Viscosity</b> (cps @25°C)	< 5,000	3,000-100,000
<b>Hydroxyl Value</b> (OH value)	50-300	N/A
<b>Water Solubility</b>	Soluble	Insoluble
<b>Resin Compatibility</b>	100% Compatible and soluble in polyol	Insoluble, suspended in polyol
<b>Heavy Metal Content</b>	Free of heavy metal	Depends on pigment type
<b>Electron Microscope</b> (100x)	 Chemically bonded	 Physically attached
<b>Storage Stability</b> (25°C)	 100% Homogenous	 Settle easily
<b>Washing Color Fastness</b> Soaked in 0.2% detergent solution at 25°C for 7 days	 No color migration	 Color migration
<b>Color Strength</b> Minimum dosage for Pantone 150U	 0.5% 1.5% 3.0%	 0.5% 4.0% 10.0%

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