



# Euchemy

Euchemy Industry Co., Limited  
Euchemy Titanium Industry Co., Ltd.

*Enjoy The Colourful Life*

## Titanium **Dioxide**

**EUCHEMY INDUSTRY CO., LIMITED**  
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Euchemy Titanium Industry Co.,Ltd.



## Company profile

**Euchemy Titanium Industry Co.,Ltd (ETI)** is a subsidiary company of Euchemy Industry Co.,Ltd which specialize in producing, researching and selling Titanium products. Through rapidly development for several years, Euchemy Titanium Industry Co.,Ltd owns its stable Titanium Ore production base, advanced production line and quality test center that can assure the consistent quality of each batch of our products. Now, Euchemy Titanium Industry Co.,Ltd is a new star of the Titanium Industry and can supply the best quality titanium dioxide in China.

Further more, we constantly cooperate with domestic research institutions and technical experts team to develop new products which meet variously requirements from the practical applications of our customers.

"Control the quality much more strictly than our customers do and make each customer free from worries to share our high quality products" That is what we always do.

*Enjoy The Colourful Life*



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# Titanium Dioxide

## Application Guide

Application \ Type	R2902	R2901	R2900	R2000	A1000
Architecture emulsion coating					
Indoor	***	***	**	**	*
Outdoor	***	***	**		
Undercoats	*	**		***	**
Solvent based architecture paints					
Indoor	***	**	***	**	*
Outdoor	***	**	**		
Undercoats	*	**	**	***	**
Automotive paints					
Primer	**	**	**	**	*
Finish paints	***	*	**		
Refinish paints	***	**	***		
Other industrial paints					
Coil paints	***	**	***		
Indoor powder coatings	***	**	***	**	*
Outdoor powder coatings	***	**	***		
Container coatings	***	**	**		
Anti-corrosive paints	***	**	***		
Marine paints	***	**	**		
Road sign paints	***	**	***	**	
Primers, undercoats	**	**	***	***	**
High solid paints	***	**	***		
Weather resistance	***	***	**		
Non Weather resistance	***	**	***	***	**
Printing inks					
Solvent based inks	***	**	***		**
Water based inks	***	***	**		**
Paper	***	***	**	***	***

\*\*\* Optimal    \*\* Recommendable    \* Alternative


# Titanium Dioxide

## Application Guide

Application \ Type	R2101	R2104	R2105	R2106	R2902	R2000	A1000
PE							
Blown film		**	**	***			
Cast film		**	**	***			
Extrusion coating	*	**	***	***	*		
Fibre	*	**	***	***	*		*
Blow molding	*	***	***	***	*	*	*
Injection molding	**	***	***	***	*	**	**
Outdoor	**	***	***	*	**		
PVC							
Rigid, indoor	***	***	***	***	*	**	**
Rigid,outdoor	**	***	***	*	**		
Plasticized,indoor	**	***	***	***	*	**	**
Plasticized,outdoor	**	***	***	*	**		
Pipe	***	***	***	**	**	*	*
Lead Stabilized	*	***	***	**	**		
Floor	**	***	***	**	**	**	*
PP	*	***	***	**	*	*	
PS	*	***	***	**	*	*	
PA	*	***	***	**	*	*	
PC	*	***	***	**	*	*	
PES	*	***	***	**	*	*	
ABS	*	***	***	**	*	*	
Chemical fibre		**	***	**	*		***

\*\*\* Optimal    \*\* Recommendable    \* Alternative

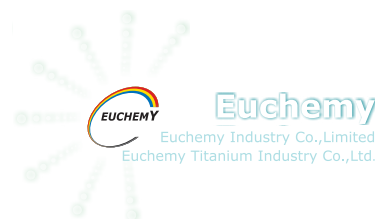




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# EUCHIO® R2900



## General Description:

**EUCHIO® R2900** is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Aluminum and special organic substance surface treatment. It provides excellent gloss, colour and good durability, specially suitable for the solvent based system.

## Advantages:

*Excellent gloss*  
*Easy dispersion*  
*High hiding power*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥94.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥150Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	4. 0g/cm <sup>3</sup>	ISO787-10

## Recommended Applications:

Optimal applications in solvent-based paints, industrial coatings, printing inks and also suitable for plastics, masterbatch products.

## Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

## Storage:

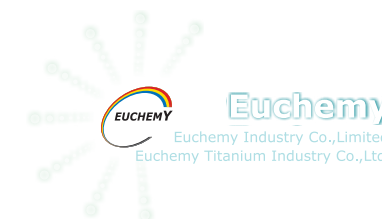
The products should not be stored in outside areas and avoiding direct contact with moisture.

## Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

All information given and recommendations made herein are based upon research and are believed to be accurate. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee.

# EUCHIO® R2901



## General Description:

**EUCHIO® R2901** is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Silicon, Aluminum and special organic substance surface treatment. It provides excellent weather resistance and high hiding power, specially suitable for the water based system.

## Advantages:

*Easy dispersion*  
*High hiding power*  
*Excellent durability*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥93.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥50Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	7-8.5	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	3. 9g/cm <sup>3</sup>	ISO787-10

## Recommended Applications:

Optimal applications in emulsion paints, water based paints, paper and also suitable for industrial paints, printing inks, powder coatings and masterbatch products.

## Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

## Storage:

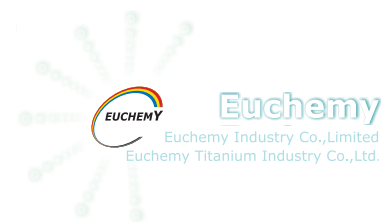
The products should not be stored in outside areas and avoiding direct contact with moisture.

## Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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# EUCHIO® R2902



## General Description:

**EUCHIO® R2902** is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Silicon, Aluminum and special organic substance surface treatment, it provides excellent weather resistance and dispersibility. R2902 is a real multi-function titanium dioxide pigment which can replace several famous International brands.

## Advantages:

*Excellent durability*  
*Outstanding gloss*  
*Blueish Hue*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥92.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥80Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.01%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	4. 0g/cm <sup>3</sup>	ISO787-10

## Recommended Applications:

Optimal applications in solvent based paints, emulsion paints, industrial coatings, printing inks and powder coatings and also suitable for plastics, masterbatch products.

## Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

## Storage:

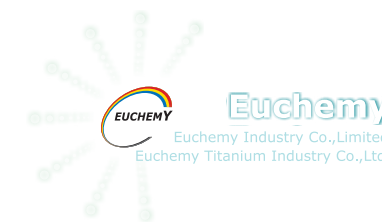
The products should not be stored in outside areas and avoiding direct contact with moisture.

## Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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# EUCHIO® R2101



## General Description:

**EUCHIO® R2101** is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Aluminum and special organic substance surface treatment. It provides high gloss and high dispersibility and specially suitable for the plastic products.

## Advantages:

*Saving cost*  
*Easy dispersion*  
*Good weather resistance*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥90.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥50Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.03%	ISO787-18
PH value	7-8.5	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	3. 9g/cm <sup>3</sup>	ISO787-10

## Recommended Applications:

Optimal applications in plastic, rubber, masterbatch and also suitable for coating products.

## Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

## Storage:

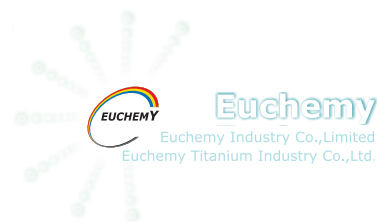
The products should not be stored in outside areas and avoiding direct contact with moisture.

## Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

All information given and recommendations made herein are based upon research and are believed to be accurate. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee.

# EUCHIO<sup>®</sup> R2104



## General Description:

**EUCHIO<sup>®</sup> R2104** is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Silicon, Aluminum and special organic substance surface treatment, it provides excellent weather resistance and dispersibility. R2104 is a real versatile grade titanium dioxide pigment for plastic products.

## Advantages:

*High gloss*  
*Excellent dispersibility*  
*Consistent and reliable quality*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥95.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥80Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.02%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤19g/100g	ISO787-5
Specific gravity	4. 1g/cm <sup>3</sup>	ISO787-10

## Recommended Applications:

Optimal applications in plastic, masterbatch and also suitable for printing inks.

## Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

## Storage:

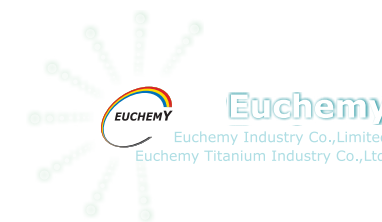
The products should not be stored in outside areas and avoiding direct contact with moisture.

## Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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# EUCHIO<sup>®</sup> R2105



## General Description:

**EUCHIO<sup>®</sup> R2105** is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Silicon, Aluminum and special organic substance surface treatment, it provides excellent weather resistance and high hiding power. R2105 is a top grade titanium dioxide pigment for plastic products.

## Advantages:

*Excellent weather resistance*  
*Outstanding dry powder fluidity*  
*Easy dispersion in plastic products*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥93.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥80Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.01%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤19g/100g	ISO787-5
Specific gravity	4. 0g/cm <sup>3</sup>	ISO787-10

## Recommended Applications:

Optimal applications in outside plastic and masterbatch products.

## Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

## Storage:

The products should not be stored in outside areas and avoiding direct contact with moisture.

## Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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# EUCHIO® R2106



### General Description:

EUCHIO® R2106 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Aluminum and special organic substance surface treatment, it provides excellent dispersion and high hiding power. R2106 is the most suitable for the plastic masterbatch products

### Advantages:

*Low moisture and low oil absorption  
Easily dispersed in plastic, can be processed into high-concentration masterbatch  
Without peculiar smell when been processed*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥97.0%	ISO591-1
Volatile matter at 105℃	≤0.4%	ISO787-2
Resistivity of aqueous extract	≥100Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.01%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤16g/100g	ISO787-5
Specific gravity	4. 1g/cm <sup>3</sup>	ISO787-10

### Recommended Applications:

Optimal applications in plastic film and masterbatch products.

### Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

### Storage:

The products should not be stored in outside areas and avoiding direct contact with moisture.

### Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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# EUCHIO® A1000



### General Description:

EUCHIO® A1000 is a general type Anatase Titanium Dioxide. Strictly control every production process step and this product is carefully controlled within narrow limits for particle size,color shade. A1000 provides good whiteness, high tint-reducing power and dispersibility. It is one of the best anatase titanium dioxide in China.

### Advantages:

*Good whiteness  
High dispersibility  
high tint-reducing power*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥98.5%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Water soluble matter	≤0.5%	ISO787-3
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	3.85g/cm <sup>3</sup>	ISO787-10

### Recommended Applications:

Applications in paints, emulsion paints, paper, printing inks, masterbatch and fiber products.

### Packaging:

In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag.

### Storage:

The products should not be stored in outside areas and avoiding direct contact with moisture.

### Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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# EUCHIO<sup>®</sup> R2000



### General Description:

EUCHIO<sup>®</sup> R2000 is a kind of Micronized Rutile Titanium Dioxide which has not any surface treatment. It provides excellent hiding power, good whiteness and dispersion, suitable for the products without high requirements on weather resistance.

### Advantages:

*Saving cost*  
*Excellent hiding power*  
*Good whiteness*



Typical Properties	Specification	Test Method
TiO <sub>2</sub> Content	≥99.0%	ISO591-1
Volatile matter at 105℃	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥50Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤19g/100g	ISO787-5
Specific gravity	4. 2g/cm <sup>3</sup>	ISO787-10

### Recommended Applications:

Optimal applications in primer paints, middle layer coating, road-marking paint, interior coating, plastics and which has no high requirements on weather resistance.

### Packaging:

In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag.

### Storage:

The products should not be stored in outside areas and avoiding direct contact with moisture.

### Safety Instructions:

Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

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