



**Shandong Qiwei New Material Co.,LTD**

## **Technical Data Sheet**

### **Product description**

Brand: Type 7249001C

Manufacturer: Shandong Qiwei New Materials Co.,LTD, in China

Web: [www.qiweixincai.com](http://www.qiweixincai.com)

This is Type II waterborne acrylic resin paint with single component featured in self-drying in room temperature in accordance with HG/T4758-2014 for technical properties and with HJ2537-2014 for environmental protection.

### **Scope**

It is suitable for steel pipes made of stainless steel or carbon steel with bare external surfaces by automatic painting system in a streamlined way.

### **Referred standards**

Manufacturing shall follow ISO 9001 and ISO 140001.

Technical properties as per HG/T4758-2014.

Environmental protection as per HJ2537-2014.

### **Colour and Appearance**

Bright black

### **Advantages**

Strong water salt mist resistance, good performance of impact resistance and adhesion,

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long effective anti-rust in various conditions.

### Chemical composition

Main Compositions	% by weight
Deion Water	25%-35%
Crylic Acid Resin(CAS RN)	25%-50%
Pigments and Fillers	25%-50%
Water-based de-foaming agent	0.1%-0.3%
Wetting Agent	0.1%-0.3%
Thickener Agent	0.2%-0.5%
Neutralizer Agent	0.4%-1.0%
Product appearance and properties: liquid, uniform dispersion, no precipitation	

### Physical characteristics

Status: waterborne coating    viscous form	Smell: slight ammonia
Melting point: $<0^{\circ}\text{C}$	Flash point:    No
Boiling point: $\geq 100^{\circ}\text{C}$	Vapour pressure: 24hPa ( $25^{\circ}\text{C}$ )
Relative density: 1.2-1.5 g/cm <sup>3</sup> /25 $^{\circ}\text{C}$	Solubility: Miscible with water
Explosion limits: no explosion possibility	PH: N/A

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### **Typical recommended film thickness**

25+/-3um after being dry.

### **Surface preparation**

Surface of pipe shall be clean and free of dirt, dent, gouge, scab,lap etc prior to painting.

### **Application methods**

Auto Spraying: Use air spray or airless spray.

Brush: Recommended for touch-up purpose.

### **Drying and Curing time**

Surface (touch) dry: 15-20 minute

Dried/cured for service :  $\leq 1$  day

Drying and curing times are determined under controlled temperatures and relative humidity and within the DFT range of the product

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dried/ cured for service: Minimum time before the coating can be permanently exposed to the intended environment/ medium.

### **Packaging**

200kg per barrel in accordance with HG/T4758.

### **Storage**

The product must be stored in containers in a dry, cool, well ventilated space and away from sources of heat and ignition.

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### **Caution**

This product is for professional use only. The applicators and operators shall be trained, experienced. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product.

### **Health and safety**

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

### **Disclaimer**

The information in this document is given to be based on laboratory testing and practical experience. Products are often used under conditions beyond Qiwei's control. Qiwei cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Qiwei reserves the right to change the given data without further notice.

Users should always consult Qiwei for specific guidance on the general suitability of this product for their needs and specific application practices.