

**Wanshield®6200****Polymer-Modified Cementitious****Waterproof Coating**

## Product Description

Wanshield®6200 Polymer-Cement Waterproof Coating is a flexible waterproof coating formed by on-site mixing of modified polymer emulsion and cement powder. It combines the high elasticity of synthetic polymer materials with the excellent durability of inorganic materials.

### Product Characteristics

Cold application: Single-coat thickness with high application efficiency;

Superior comprehensive performance: Excellent low-temperature flexibility ( $-18^{\circ}\text{C}$ ), outstanding water resistance, no milk return, no swelling;

Environmentally friendly: Water-based coating, non-toxic, harmless, and pollution-free.

### Recommended Uses

Suitable for waterproofing and moisture-proofing walls and floors in kitchens, bathrooms, balconies, and rooms with underfloor heating. It can also be combined with other waterproofing materials to form composite waterproofing systems for underground structures and roofing projects.

## Technical Specifications

### Physical Parameters

Solids By Volume/%	$\geq 70$
Tensile Strength/MPa	$\geq 2.5$
Elongation/%	$\geq 180$
Low-Temperature Flexibility/ $^{\circ}\text{C}$	$-18^{\circ}\text{C}$ No cracking
Water Impermeability	0.3MPa, 30 min: Impermeable
Wet Surface Bond Strength/MPa	$\geq 0.5$

## Surface Preparation

Clean debris and loose mortar from the waterproof coating substrate. Repair severely uneven concrete surfaces.

Remove oil stains and debris from cement-based concrete structures.

If significant leaks are detected in the substrate, first apply leak-sealing materials before using this product to ensure project quality.

Thoroughly remove all surface stains and loose dust down to sound concrete.

For all concrete damaged by chemical exposure, loose sections, or contamination by any substance, remove down to sound concrete.

On old painted surfaces, completely grind off loose or incompatible old paint coatings to expose concrete. Clean, dry, and intact compatible coatings may remain.

For oil-contaminated surfaces where oil significantly impairs the adhesion of floor coatings to the substrate, the contaminated area must be completely removed and ground.

## Application Guidance

### Application Method

Roller coating or scraper coating.

### Mixing Ratio

Mass ratio: 1:1

### Construction Conditions

Application temperature range: 5-30°C.

Apply at ambient temperatures. Avoid application below freezing point or under adverse conditions such as rain, fog, or sandstorms.

Application must be performed on concrete structures or sound cement mortar substrates. Do not apply directly to plaster surfaces. Substrates must be clean and free of loose dust, old coatings, dirt, grime, and other contaminants.

All concrete surfaces to be coated must be thoroughly inspected for structural defects, including formwork tie holes, cracks, honeycombed or pitted surfaces, pits, and uneven joints at construction seams. Such defects must be chiseled out, cleaned, sealed, reinforced, and leveled before proceeding with large-area waterproofing application.

### Recommended Dosage

For every millimeter of coating thickness, the paint consumption is approximately 1.8 kg/m<sup>2</sup> to 2.2 kg/m<sup>2</sup>.

### Ventilation

Ensure adequate ventilation throughout the work area for operator safety and proper product performance.

## Packaging and Storage

### Packaging

Component A liquid material is packaged in 20 kg drums, while Component B powder material is packaged

in 20 kg bags.

## **Storage**

Storage and Transportation Conditions: Coatings should be stored in sealed containers at 5-35°C in a dry, cool, and well-ventilated environment. During transportation, materials should be stacked securely to ensure the cargo compartment remains dry, enclosed, and protected from moisture and freezing.

## **Shelf Life**

When stored under specified conditions, the shelf life of the product in its original packaging is 6 months from the date of manufacture.

## **Safety Precautions**

### **Warning**

May cause eye and skin irritation. Vapors may cause respiratory irritation in sensitive individuals. May cause skin sensitization. Avoid breathing vapors. Avoid contact with eyes and skin. Use eye, ear, and skin protection, and wear an appropriate respirator to avoid potential respiratory irritation. After use, thoroughly wash skin with water. If discomfort occurs, consult a physician. Wash clothing before reuse. If breathing has stopped, perform artificial respiration, preferably mouth-to-mouth, and seek medical attention. Burns: Exothermic reactions may cause product to become excessively hot. Handle mixtures with caution. Wear gloves. First Aid: If product contacts eyes, immediately flush with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash exposed skin with soap.

Before and during use, observe all safety labels on the packaging. Consult the Safety Data Sheet and comply with relevant national or local government safety regulations.

## **Statement**

The information listed in this document is reliable. Each value provided is calculated as theoretical data based on the product formulation. Upon request, our company can disclose the internal standard measurement methods used to determine any of the above data. Since usage conditions are beyond the manufacturer's control, this information is provided without warranty. The product is intended for professional use only. For any inquiries, please contact our company.

Our Technical Support and Customer Service Center is available to provide consultation and application technical services regarding the product. We welcome your inquiries via mail or phone. National Customer Service Hotline: 400-059-1116 ext. 3.