

## **KINGDOM WEATHER SHIELD**

### **Product Description:**

An acrylic copolymer-based, medium-textured emulsion paint, that contains quartz and marble aggregates and pigments. It is a flexible, tough, and weather-resistant decorative texture coating for interior and exterior surfaces.

### **Features:**

It has excellent mechanical film properties such as film hardness, adhesion, scratch, and abrasion resistance. It also has Algae and fungi resistance and resistance to mud cracking tendency as well.

### **Recommended use & substrate:**

It is recommended as a decorative and protective texture body coat for architectural surfaces such as concrete and plastered surfaces, panels and fiberboards, ceiling boards, and timber panels under interior or exterior conditions.

### **Product Data:**

<b>Color</b>	: White
<b>Specific gravity</b>	: 1.65 ± 0.05
<b>Volume Solids</b>	: 60 ± 2% theoretical
<b>Theoretical Coverage</b>	: 18-20 m <sup>2</sup> /25Kg drum

(Minimum and maximum spreading rate depends on dry film thickness applied, surface porosity, temperature and the wastage during the application)

<b>Flash Point</b>	: > 100°C
<b>Drying Time</b>	: Related to weather condition, temperature, air circulation, Film thickness, number of coats applied and the relative humidity.
<b>Touch dry@30°C</b>	: 1-2 hours
<b>Hard dry @30°C</b>	: 8-10 hours
<b>Over coating Interval</b>	: 12 hours Minimum :
<b>VOC</b>	< 30 gm/l
<b>Pack Size</b>	: 25 kg
<b>Shelf Life</b>	: 12 months

### **Surface Preparation:**

The service life span and the service performance of this product are directly related to the degree of surface preparation.

All surfaces must be dry, clean, free of all grease, dirt, lose or powdery materials and efflorescence etc. Mold or mildew must be removed by washing with a chlorine bleach solution. New concrete should be left for at least 30 days to cure before coating.

The moisture content of the concrete surface should be checked and ensured to be below 5% using a reliable moisture meter.

**Coating System:**

Primer : Kingdom Primer Sealer  
Texture : Kingdom Weather Shield

**Condition during application:**

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air.

**Thinning:**

Material must be mixed properly before use and thinning is not recommended.

**Application Data:**

This product can be applied by Stainless steel trowel and structured by plastic trowel.

**Shelf life & Storage:**

**Shelf life:** 2 years @ 25°C.

**Storage:** The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

**Health and safety precautions:**

Ensure good ventilation during and after application. Do not inhale vapors/spray. In case of contact with skin and eyes, rinse immediately with plenty of water. Avoid eating drinking or smoking during application. Keep out of reach by children.

For environmental safety: please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.

Note: Wastes and empty containers should be disposed of in accordance with local regulations made under the control of "Pollution Act and the Environmental Protection Act."

**Disclaimer:**

*The information in this data sheet is given according to the best of our knowledge on laboratory testing and practical experience. Kingdom Paints will not be held responsible for results arising out when applied against specified. We reserve the right to change the given without notice. For more information, visit [www.kingdompaints.sa](http://www.kingdompaints.sa) & Users should always consult Kingdom paints factory for specific guidance on the general suitability of this product for their needs and specific application practices.*



Kingdom Weather Shield - Date of issue 01.07.2022.

Please note that this data sheet supersedes the previous version.

