

## KINGDOM PENETRATION PRIMER

### Product Description:

A superior-quality Solvent-based acrylic primer/sealer with high opacity and binding properties.

### Features:

It penetrates well into the substrate and ensures excellent adhesion between substrate and topcoat. Its alkali-resistant properties resist discoloration and improve the performance and appearance of the topcoats.

### Recommended use & Substrate:

It is an ideal priming for exterior/interior substrates like concrete, cement plaster, gypsum board partition, etc.

### Product Data:

|                         |                        |
|-------------------------|------------------------|
| <b>Finish</b>           | : Matt                 |
| <b>Color</b>            | : White                |
| <b>Specific gravity</b> | : 1.20 ± 0.05          |
| <b>Volume Solids</b>    | : 30 ± 2% theoretical  |
| <b>Recommended WFT</b>  | : 83 -100 microns/coat |
| <b>Recommended DFT</b>  | : 25-30 microns/coat   |

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

|                              |  |
|------------------------------|--|
| <b>Theoretical Coverage</b>  | : 12 m <sup>2</sup> /l @ 25 microns DFT  |
| <b>Flash Point</b>           | : > 25°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>        | : 60 minutes   |
| <b>Hard dry @30°C</b>        | : 4-5 hours  |
| <b>Over coating Interval</b> | : 4 hours Minimum  |
| <b>VOC</b>                   | : < 650 gm/l   |
| <b>Pack Size</b>             | : 18 & 3.6 liters  |
| <b>Shelf Life</b>            | : 24 months from the date of manufacturing   |

### Surface Preparation:

All surfaces must be dry, clean, free of all grease, dirt, loose or powdery materials and efflorescence etc. Mold or mildew must be removed by washing with a chlorine bleach solution.

### Coating System:

|               |                                |
|---------------|--------------------------------|
| <b>Primer</b> | : Kingdom Penetration Primer   |
| <b>Finish</b> | : depends upon specifications. |

**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:**

Mix thoroughly and add maximum 5% by Volume of Thinner No.20 depending upon surface porosity and method of application.

**Application Data:**

This product can be applied by Brush, Roller, Airless spray and Conventional Spray.

**Health and Safety:**

- Wear appropriate protection such as gloves, goggles, face mask, barrier creams.
- Provide adequate ventilation.
- Avoid eye or skin contact.
- Close container after use.

**Storage:**

The product must be stored in a dry, cool, well-ventilated area and away from source of heat and ignition, also must be kept tightly closed.

**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.*



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Please note that this data sheet supersedes the previous version.

