

## KINGDOM FLOORSEAL 200

### Product Description:

A two-component, epoxy polyamide sealer with excellent penetrating properties into the porous surfaces.

### Recommended use & Substrate:

As a sealer coat for concrete floors and walls prior to the application of the subsequent floor coating system. Excellent as an anti-dusting coating on concrete floors subject to light foot and vehicle traffic.

### Product Data:

<b>Finish</b>	: Glossy
<b>Colors</b>	: Clear
<b>Volume solids</b>	: 30 ± 2 % (ASTM-D2697-86)
<b>VOC (solids)</b>	: 600 g/l (NB. – Thinning will affect VOC compliance and volume)
<b>Typical thickness DFT</b>	: 30 - 40 microns
<b>Theoretical coverage</b>	: 10 m <sup>2</sup> /liter @30 microns DFT
<b>Density</b>	: 1.00 ± 0.1 g/cc (mixed)
<b>Flash point</b>	: Part A: 32°C Part B :35°C
<b>Mixing ratio</b>	: 4:1 by volume
<b>Shelf life</b>	: 24 months from the date of manufacturing
<b>Induction time</b>	: 10 minutes
<b>Pot life</b>	: 3 hours @ 250C
<b>Pack size</b>	: 16 liters (Part A + Part B)

### Film thickness & spreading rate:

Description	Unit	Min	Max
Dry film thickness	micron	30	40
Wet film thickness	micron	100	133
Spreading rate	M <sup>2</sup> /l	10	7.5

(Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.)

**Service temperature** : 120°C maximum

**Recommended thinner** : Kingdom Thinner 10

### Drying & curing time

Description	10°C	23°C	40°C
Surface dry	12 Hours	3 Hours	1 Hour
Walk on dry	24 Hours	8 Hours	3 Hours
Dry to over coat minimum	24 Hours	8 Hours	3 Hours
Dried/cured for service	14 days	7 days	3 days

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

**Walk-on-dry:** Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

**Dry to over coat, minimum:** The recommended shortest time before the next coat can be applied.

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

### Surface preparation:

Remove all oil and grease in accordance with SSPC-SP 1 Manually prepared surfaces should be prepared in accordance with SSPC- SP 3 or SSPC-SP 2. Use Floorguard 200 as sealer coat.

### Recommended coating system:

**Putty** : Epoxy putty  
**Primer** : Kingdom Floorseal 200  
**Topcoat** : Kingdom Floorguard 400

### Application:

#### **Application methods:**

The product can be applied by,

Spray: Use airless spray.

Brush: Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.

Roller: May be used. Care must be taken to achieve the specified dry film thickness.

#### **Conditions during application:**

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

**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.

**Caution**

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. 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. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work

**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.*



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Please note that this data sheet supersedes the previous version.

