

### **PRODUCT**

Kenbro's Kenseal, is a water-based elastomeric liquid coating specially formulated from acrylic resin binders plus special additives to give a flexible film that bond to all concrete surfaces. It is a liquid waterproofing that has the objective to create a seamless and jointless waterproofing membrane, ensuring the complete water tightness of the roof and many other building elements in the short, medium and long term, even in projects with plenty of horizontal-vertical encounters and details.

### **Areas of application:**

- As water proof coating for roofs
- To provide foundation protection.
- For water retaining structures, it can be used to provide a water proof lining.
- Prevent direct contact between air and the concrete surface hence protecting the concrete surface from chloride and carbonation attack.

### **Advantages:**

- A seamless coating system which gives long lasting protection against water ingress.
- Flexible: this means that the coating can be applied in areas with very high or low temperatures without affecting performance. The ability of this coating to retain the flexibility mean that the applied coat can stay for long time without developing cracks hence exhibiting prolonged water resistance.
- Excellent adhesion: due to its unique formulation this coating can easily bond to both porous and non porous surfaces.
- Non toxic: Thanks to it being water based the volatile organic compounds are very minimal making it very safe for water storage structures.
- Can be colored to give that aesthetic color finish or to match existing surroundings.
- 2mm coating provides anti carbonation cover equivalent to over 100mm concrete.
- Breathable – whilst repelling water, allows substrate to breath.
- Resistant to aging and UV radiation.
- Non flammable.
- Coating can be applied on any complex profile unlike membrane which can't take the shape of difficult profiles.
- For crack repairs: An extra reinforcing matt can be used to bridge the crack and waterproof it.
- Ease of application: It does not need any heating as required by other conventional waterproofing systems. It is applied by brush / paint roller / spraying.

### **Packaging:**

Packed in 4 & 20 Kg plastic containers, but bulk packaging is available on request.

### **Surface Preparation:**

In order to obtain good final results in this application, surface preparation is of prime importance. Remove all the loose concrete, grease, oil, dust, residual curing compounds and any other contaminant that may impair adhesion. If the concrete surface is found to be spalled it should be cut back to sound concrete and made good with a suitable cementitious repair mortar.

### **Mixing:**

It does not require any in-situ mixing procedures. Only a little stirring will be required for the contents which may have settled during transportation and storage.

### **Coverage:**

This will depend on the nature of the floor or roof to be applied on. For a generally smooth surface it will take approximately 1/2 kg of the coating per square meter.

### **System of application:**

Using a brush or a roller apply primer coating in the conventional way of applying paint, giving special attention to areas with holes or uneven surfaces (in such areas force the paint to penetrate in order to obtain continuous film). Then with a different brush, apply the first Kenseal coat application and allow the coating to dry in between eight to twelve hours depending on weather condition. Place the fiber netting and then apply the second coat to cover the fiber glass netting and allow it to dry. After this coat dries, apply third (Final) coat thereby completing the full specifications required.

**NOTE \*** Apply the second or subsequent coats after the previous coat has dried and at right angle to each other.

### **Tools Required:**

- Brush
- Roller
- Mixing stick
- Gloves, Goggles & protective clothing
- Hard broom

\* Clean tools immediately with water after use.

### **Curing:**

Kenseal coating cures naturally without any additive within maximum 12 - 24 hours from the time of application.

### **Health and safety:**

Kenseal does not contain any carcinogens.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin, foodstuffs etc. All protective precautions must be taken to avoid all of the above. In case of contact with eyes flush immediately with a lot of water. If accidentally ingested, seek immediate medical attention.

### **Manufactured by:**

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