

## General Description:

UNISEAL # 110 is a two-component epoxy based material produced specifically to seal open pores of concrete, wood, bricks, cement board and the like. Seals up to 2 mm. depth to eliminate water seepage especially for vertical surfaces.

## Major Uses:

- As a primer sealer prior to top coating.
- As a concrete conditioner.
- Reduces undercutting and peeling.
- Waterproofing and humidity protection

## Advantages:

- Abrasion and impact resistant.
- Temperature and chemical resistant.
- Provides durable sealer.
- Easy to apply.
- Highly flexible.
- Excellent adhesion to minimal surface preparation.

## Characteristics and Physical Properties:

Color	Clear
Volume Solids	42%
Components	two (2)
Mixing Ratio	1.1 By volume
Specific Gravity	0.920 kg. / lit.
Pot Life	8 hrs.
Dft.	25 microns.
Wft.	59 microns.

Drying Time	
Touch Dry	45 – 60 min.
Recoating interval	5 – 6 hrs.
Fully Cure	7 Days.
Coverage	10 - 12 m <sup>2</sup> / lit.

## Surface Preparation:

### New Concrete:

New concrete should be cured at least 28 days. Remove all loose debris and other contaminants prior to application of multi – etch solution, rinse with fresh water and let it dry for 24 hrs.

### Old Concrete:

Concrete should be dry, free from dust, oil, loose debris and other contaminants. Remove all existing coat (if any) by scraping, grinding or with paint remover. Apply one (1) coat of multi – etch solution and rinse with fresh water and let it dry for 24 hrs. to ensure an excellent penetration.

## Mixing and Application:

UNISEAL # 110 can be applied by brush, roller and spray. Mix thoroughly 1 part of Resin A and 1 part of Hardener B and let stand for 10 – 15 minutes prior to application. Dilution of 5 – 10 % of Epoxy Thinner # 135 is recommended if the consistency of the mixture is higher than the required application viscosity. Use a roller suitable for solvent base to evenly distribute the materials.

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

## MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

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## Condition during Application:

The temperature of the substrate should be minimum 15 C and at least 3 C above the dew point of the air. The temperature and the relative humidity should be measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

## Method of Application:

Brush, roller, airless and conventional spray	
<b>Spray Data</b>	
Conventional Spray	
Nozzle orifice	2 – 3 mm
Nozzle pressure	43 – 57 psi
Dilution	5 – 10 %
Thinner	# 135
Airless	
Nozzle orifice	0.38 – 0.46 mm
Nozzle pressure	1138 – 1710 psi
Dilution	0 – 5 %
Thinner	# 135

## Typical recommended system:

Uniseal # 110	1 coat
Floorcoating	S / SF
Floortopping	700 / 800/ 900

## Storage:

Keep resin and hardener in a cool place below 25°C. Keep the container tightly closed. Shelf life of 12 months minimum.

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## Handling:

Handle with care. Stir well before use.

## Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

## Packing:

Available in 4 lit. Set and 20 lit. Set.

## Physiological Hazards:

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling vapour.

