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# ARDEX WPM 163

## Sheltercoat DPM 163 Penetrative Sealer Single Component Polyurethane Dispersion

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Single component polyurethane dispersion sealer

Requires only a short downtime for application. Trafficable within 24 hours

Penetrates and cures within the pores of the surface providing a seal for extended service life

Good flexibility properties to withstand substrate expansion and contraction

Can be applied to damp surfaces and freshly laid concrete

Non-flammable and very low odour



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# ARDEX WPM 163

## (Sheltercoat DPM 163 Penetrative Sealer) Single Component Polyurethane Dispersion Sealer

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### DESCRIPTION

ARDEX WPM 163 (Sheltercoat DPM 163) is a one component water based urethane modified acrylic water resistant protective sealer that penetrates and cures within the pores of the surface being sealed. ARDEX WPM 163 is semi permeable allowing the surface to breathe and is not a waterproof membrane that will resist ponding water.

### FEATURES & BENEFITS

- Interior or exterior use.
- Used as an Incontinence barrier for concrete floors in health care institutions.
- Water white and is stable to ultra violet exposure.
- Requires only short downtime for application. Four coats can be applied within the same day allowing light trafficking within 24 hours.
- Penetrates and cures within the pores of the surface being sealed to provide extended service life.
- Provides high abrasion resistance since the wear properties are dependent on the base substrate.
- Can be recoated at any time.
- Good flexibility properties to withstand substrate expansion and contraction.
- Non-flammable and very low odour.

### TYPICAL USES

- As an economical single component sealer and dust suppressant for warehouse and showroom concrete floors to suppress dust formation and dirt collection with minimum down-time.
- As a water resistant sealer for external concrete or masonry walls to minimise water ingress while allowing the substrate to breathe and prevent internal surface condensation.
- As a grease and oil resistant sealer for concrete and masonry paths, paved areas, etc.
- As an easily applied water resisting sealer for concrete, roof tiles, brick, stone, slate and masonry to inhibit water penetration.
- As a protective sealer for sandstone to minimize dirt and atmospheric grime development while allowing the sandstone to breathe.
- As a sealer for timber wall paneling.

### LIMITATIONS

- The product should be applied whilst the surface temperature is between 10 – 35°C. Drying time is adversely affected by low temperature and in situations where relative humidity is >85%.
- Apply only using multiple thin film application.
- Do not apply if rain is imminent.
- Do not leave containers open for long period of time.

NOTE: Sealing a surface will decrease slip resistance in wet conditions. NOT SUITABLE FOR DRIVEWAYS.

### SURFACE PREPARATION

All surfaces must be cleaned free from dust, dirt, grease, oil, previous surface coatings or adhesive and other surface contaminants.

ARDEX WPM 163 is a clear sealer and any contamination, surface texture irregularities, or stains existing at the time of coating will be evident, and probably emphasised, in the final finish.

### APPLICATIONS

Thoroughly mix the product before use. ARDEX WPM 163 may be applied by brush, roller or low volume spray application techniques and should be applied in multiple thin films only to allow for maximum penetration allowing 30 minutes to 1 hour at 25°C between coats.

Care should be taken not to apply excess material in each coat when using brush or roller. Application of excess material per coat will result in the product bridging the pores preventing penetration.

ARDEX WPM 163 should preferably be applied to damp or moist substrates that are surface dry and not wet. Excess water in the substrate will hinder the penetration of the product.

The number of coats required will vary depending on the porosity of the substrate. Apply sufficient material to fill all surface pores. Two coats are normally sufficient on steel trowelled concrete while clay pavers are likely to require four coats.

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### Single Component Polyurethane Dispersion Sealer

Allow 24 hours curing before subjecting to light pedestrian traffic, three days for rubber wheeled traffic, seven days for full cure and maximum traffic loading.

#### CLEANING AND THINNING

ARDEX WPM 163 normally does not require thinning for application. For very fine grained substrates, thin with up to 10% of fresh clean water.

Wash all equipment in warm water or water/detergent immediately on completion of the work.

#### PROPERTY DATA

Colour	Clear/ water white
Finish	Semi-gloss going to mat with external exposure aging
Typical coverage	15m <sup>2</sup> /L/coat depending on the porosity of the substrate
Typical no. of coats	2 – 4 depending on the substrate porosity and surface finish desired
Recoat time	1 hr @ 25°C and 50% R.H.
Full cure	7 days @ 25°C and 50% R.H.
UV exposure	Resistant
VOC content	22g/L

#### PACKAGING

20L pail

#### STORAGE AND SHELF LIFE

Store in dry conditions (5°C - 35°C) away from the sunlight. Replace the lid tightly after use. ARDEX WPM 163 has a storage life of 12 months when stored in the original unopened containers

#### SAFETY PRECAUTIONS

ARDEX WPM 163 is non-hazardous; non-dangerous goods. Avoid contact with skin and eyes and avoid breathing vapour or spray mist. Wear eye protection and protective gloves when mixing and using. If poisoning occurs, contact a doctor or the Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open,

flood with water for at least 15 minutes and see a doctor. Additional information is in the material Safety Datasheet (SDS) available upon request or online at [www.ardex-quicseal.com](http://www.ardex-quicseal.com).

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