



ARDEX WM 163

Single Component PU Acrylic 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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DESCRIPTION

ARDEX WM 163 is a single component water based urethane modified acrylic water resistant protective sealer that penetrates and cures within the pores of the surface being sealed. ARDEX WM 163 is semi permeable allowing the surface to breathe and is not a waterproof membrane to resist ponding water.

FEATURES/BENEFITS

- Interior or exterior use.
- Water white and is stable to ultra violet discolouration.
- 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.
- Excellent petrol and oil resistance.
- Can be recoated at any time.
- Good flexibility properties to withstand substrate expansion and contraction.
- Can be applied to damp surface and freshly laid concrete.
- Non-flammable and very low odour.
- Surface tolerant and flexible.

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 petrol and oil resistant sealer for driveways, motor vehicle service bays and garage floors.
- 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 to develop and allowing the sandstone to breathe.
- As a sealer for wall paneling enabling a surface finish ranging from matt to gloss depending on the number of coats applied.

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.

SURFACE PREPARATION

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

ARDEX WM 163 Sealer 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.

APPLICATION

Thoroughly mix the product before use. ARDEX WM 163 may be applied by brush, roller or 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.

When using a brush or roller particular care should be taken not to apply excess material in each coat.

Application of excess material per coat will result in the product bridging the pores preventing penetration.

Should preferably be applied to damp substrates that are surface dry and not wet since 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.

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 & THINNING

ARDEX WM 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.

SAFETY DATA

ARDEX WM 163 is classified as non-toxic, non-flammable and non-explosive. Avoid contact with skin and eyes and avoid breathing vapour or spray mist. Wear eye protection and protective gloves when mixing and using

FIRST AID

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 LISTED IN THE MATERIAL SAFETY DATA SHEET

TECHNICAL DATA

Colour	Clear/water white
Finish	Semi-gloss going to mat with external exposure aging
Typical coverage	15 m ² /ltr/ct after thinning depending on the porosity of the substrate
Typical no. of coats	2-4 depending on the substrate porosity & surface finish desired
Recoat time	30 min to 1 hour @ 25°C & 50% R.H.
Full cure	7 days @ 25°C & 50% R.H.
Ultra violet resistance	Excellent

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program.

The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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