



ARDEX WPM 642

Water Based Bonding Adhesive

Water based, safe to use, low odour and easy cleaning

Non flammable, non hazardous adhesive

Approved for use on ARDEX TPO and Butynol rubber membranes

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DESCRIPTION

ARDEX WPM 642 Water Based Adhesive is a contact adhesive designed specifically for bonding ARDEX WPM 615 TPO and ARDEX Butynol membranes to approved insulations in addition to wood, metal, masonry, and other acceptable substrates. ARDEX WPM 642 is an alternative to ARDEX solvent based bonding adhesives.

PREPARATION

Surfaces on or against which ARDEX WPM 642 are to be applied must be clean, smooth, dry, free from sharp edges, loose and foreign materials, oil, grease and other contaminants. Sweep the mating surface of the membrane with a stiff broom to remove excess dusting agent, if present, or other contaminants from the mating surface. Ambient temperatures shall be 4.4°C and rising. Do not attempt to use ARDEX WPM 642 when there is a possibility of freezing temperatures within 48 hours after application.

APPLICATION

Stir the adhesive thoroughly before and during use. Apply ARDEX WPM 642 at about the same time to both the exposed underside of the sheet and the substrate to which it will be adhered to allow approximately the same drying time.

Apply ARDEX WPM 642 with a medium nap paint roller and roll the adhesive on both mating surfaces. Apply ARDEX WPM 642 evenly to avoid globs and puddles of adhesive. ARDEX WPM 642 may also be spray-applied, followed by back rolling to ensure 100% coverage by the bonding adhesive. Take care not to apply bonding adhesive over an area that will later be cleaned and spliced to another sheet or flashing.

Allow bonding adhesive to flash off until tacky. Touch the bonding adhesive surface with a clean, dry finger to be certain the adhesive does not stick or string. As you are touching the adhesive, push straight down to check for stringing, also push forward on the adhesive at an angle to ensure that the adhesive is ready throughout its thickness. If either motion exposes wet or stringy adhesive when finger is lifted, it is not ready for mating.

In addition ARDEX WPM 642 will change from a pink colour to clear colourless as the carrier evaporates indicating mating readiness. Flash off time will vary depending on the substrate temperatures and ambient air conditions.

When the bonding adhesive is ready to be mated, start at the fold and roll the previously coated substrate slowly and evenly to minimise wrinkles. To ensure proper adhesion, compress the bonded portion of the sheet to the substrate with a stiff push broom or heavy roller such as a linoleum roller.

COVERAGE

Coverage rates depend on the smoothness of substrate and method of application.

Standard Application Method: 2.5 – 2.9m² per Litre (nominal) both surfaces (roller application).

Some insulation surfaces are more uneven and porous and may result in a lower coverage rate while smooth, less porous facers may result in higher coverage rates. Rates are based on roller application to both mating surfaces. When sprayed and back-rolled, the rate may be slightly higher than when rolled only.

CHARACTERISTICS

Physical

- Excellent resistance to ageing
- Good resistance to heat, cold
- Excellent tack time for versatility
- Outstanding adhesion to approved substrates for maximum performance

Technical

Base	Acrylic
Colour	Pink, changes to clear when ready to mate
Solids	57% (min)
Brookfield	16,000 ± 3,000 centipoise,
Viscosity	R.V.F. Brookfield #4 Spindle @ 10rpm
Weight	1.05kg/L
S.G.	1.05 (nominal)
V.O.C. content	18g/L

PACKAGING/STORAGE/SHELF LIFE

Packaging	18.9L pail
Storage	Store in original unopened containers at temperatures between 15.6°C – 26.7°C. If exposed to lower temperatures, restore to room temperature prior to use. Do not allow to freeze.
Shelf Life	12 months if stored in above-mentioned conditions. Shelf life will be shortened if exposed to elevated temperatures for a prolonged period of time.

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. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. 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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