

# ATECH PLUS

Coating Solutions

## Savvy Insulicote

### Radiation Control Insulation Coating

#### PRODUCT DESCRIPTION:

Savvy Insulicote is an emulsion of high grade acrylic resins in water. It dries by evaporation to yield a tough, velvety, non-yellowing, water repellent surface with exceptional abrasion resistance and ultra-violet light stability. Savvy Insulicote when applied directly to rust will immediately convert iron oxide to iron sulphate upon contact, preventing further rusting problems.

Unlike other coatings, it contains ceramic particles. These particles are the heat dissipating elements in Savvy Insulicote that give it the ability to save on cooling cost. It is applied to yield a tough, water tight, roof membrane.

Savvy Insulicote will take all universal tints, but must be restricted to the first shade of pastel colours on any colour chart. Please Note: Do not use black pigmentation for tinting.

#### OUTSTANDING FEATURES

- Temperature reduction of up to 45%
- Reduces roof degradation by up to 80%
- Non-Toxic
- Water Borne
- Energy Savings
- Labour, Time and Cost Saving
- Clean up with soap and water
- Waterproofing properties.
- Converts rust.
- Abrasion Resistant
- Mildew Resistant

#### APPLICATION & EQUIPMENT GUIDELINES

##### EQUIPMENT NEEDED:

- 1 x Airless Spray Gun (Wagner 1750 – diaphragm pump)
- 1 x Water pressure cleaner (3000 psi minimum)
- 2 x 15 meter 3/8 airless hose
- 1 x 7.5¼ airless hose
- 1 x High pressure filter
- 1 x suction system (hopper is better)
- 1 x 523 spray tip
- 1 x 511 spray tip (application of etch primer)
- Plastic sheeting (for coverage where required and mat for work area)
- Broom or preferably mechanical blower.

#### METHOD OF APPLICATION

1. Remove any surface dirt, leaves etc. (e.g. under roof capping and gutters) with mechanical blower.
2. Completely clean the surface with power washer. If there is flash rust, this must be addressed separately prior to power washing – generally done with a cut brush to bring back to a clean sound surface;
3. Check roof fastenings to ensure that all galvanized nails are replaced and secured with tech screws.
4. Any waterproofing problems that may occur, particularly around roof penetrations, must be addressed. Please note that as the product is acrylic, one should use an acrylic based waterproofer (we manufacture one called Mega-Bond Seal). If you prefer to use a silicon or solvent based waterproofing compound, use sparingly so as not to have it liberally plastered all over the place, because at this point of contact you could come across an adhesion problem.
5. If a color bond roof, etch primer must be applied with 511 spray tip.
6. Once clean, it is important to get your first coat of Insulicote on fairly quickly, especially if you have done a rust treatment. The longer you delay your first coat, the more potential there is for flash rust to re-occur.
7. Once the first coat is dry, you can proceed directly on with the second coat.
8. Each coat is applied at a wet film thickness of 250 micron with a 423 or 523 spray tip (use a wet film gauge), giving you a total wet film thickness of 500 micron.
9. DO NOT spray when there is any evidence of wind because (a) you will get too much drift; (b) you will use twice as much product; and (c) to obtain coverage you will find your application is greater than 250 microns per coat.
10. When measuring the surface area it is important that you factor in the various profiles to give you the extended length, which is your true surface area, for example : on a corrugated profile one should factor in 15% added to your surface area, and on clip lock deck factor in 22%. If you do not do this you will find that you will be short of product.
11. Spread rate is 1 Litre = 2 meters square.

Savvy Insulicote can be applied by airless spray equipment or by brush/roller only.

## CAUTION AND WARNING

Do not take internally. Avoid contact with eyes. If solution does come in contact with eyes, flush immediately with water and contact physician for medical attention.

## PACKAGING

20ltr - 200ltr - 1000ltr

### COVERAGE CHART

Surface	Approximate Coverage (m <sup>2</sup> /litre)
Metal	2
Metal Under skirting	3.5

Coverages are based on 1 Litre units and double coat applications.  
Coverages are approximate for normal substrates.  
Under irregular conditions more products is required.

### TYPICAL PROPERTIES

Elongation	ASTM D-412	242% at 25°C
		220% at 32°C
Tensile Strength	ASTM D -412	406 psi at 77
		339 psi at 32
Abrasion Resistance	ASTM D-968	No wear after 450 litres of falling sand
Wind Driven Resistance	Federal Spec. TT-C55	No moisture penetration After 24 hours.
Visual Colour	ASTM D1729	9
Chalking	ASTM D4214	10
Checking	ASTM D660	10
Cracking	ASTM D661	10
Blistering	ASTM D714	10



### Atech Solutions Pty Ltd

Unit 10, 632-642 Clayton Road, Clayton South 3169 Australia  
PO Box 3215 Mentone East VIC 3194 Australia  
Tel: +61 9017 6794 Fax: +61 3 8640 0837  
www.atechproducts.com.au

#### Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by ATECH either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not ATECH are responsible for carrying out procedures appropriate to a specific application.

#### Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

#### Safety Precautions

These products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

KEEP OUT OF REACH OF CHILDREN. KEEP FROM FREEZING.

#### Exclusion Clause

- The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. ATECH will be under no liability whatsoever whether in:
  - Contract or tort (including, without limitation, negligence)
  - Breach of statute
  - Any other legal or equitable obligation other than the quality of the product at the time of despatch.
- Any queries about specification use or application should be directed to our technical service department immediately.
- This exclusion clause does not operate to exclude any warranty that by law may not be excluded.