

## Two Pack Fluoropolymer Coating

# INFLONITO A20

**PRODUCT DESCRIPTION:** A & I Coatings **INFLONITO A20** is a high performance two pack fluoropolymer resin base top coat that can cure at room temperature or under low bake conditions. This gives excellent UV resistance and weathering performance. It has good application properties and chemical resistance. The “State of Art” technology lowers the lifetime maintenance cost of coating in a variety of environments.

### TYPICAL APPLICATIONS:

Fascias and facades  
 High capital cost structures  
 Bridges  
 Towers  
 Wind turbines  
 Chemical plants  
 Structural steel and roofing  
 Other uses include coating of substrates such as copper, aluminium and glass. Inflonito A20 is suitable practically wherever excellent durability and aesthetic appearance with good excellent resistance is required.

### TECHNICAL INFORMATION

<b>Vehicle Type</b>	: Fluoropolymer.
<b>Hardener</b>	: Isocyanate.
<b>Pigmentation</b>	: Various.
<b>Mixing Ratio</b>	: 4:1(Part A : Part B) by Volume.
<b>Pot life</b>	: 2 - 4 hours at 20°C, less at higher temperatures.
<b>Finish</b>	: Gloss, satin, metallic or pearl. Note: A coat of clear over IA20 Metallic is recommended for ultimate durability.
<b>Colour</b>	: Any colour.
<b>Dry time</b>	: Touch dry 30 mins @25°C.
<b>(minimum)</b>	Dry to handle 16 hours @25°C. Hard enough to handle overnight but progressively cures over 7 days. Full cure >7 days.
<b>Recoat time</b>	: Flash off time: 4 – 8 minutes between coats at 25°C Recoat when solvent released from (minimum) previous coat, normally approx. 1 hour at 20°C.
<b>Primer Required</b>	: Yes, dependant on substrate. Contact <b>A &amp; I Coatings</b> for specific applications.
<b>Theoretical Coverage</b>	: 6 m <sup>2</sup> /Litre @ 50 microns theoretical.
<b>Volume Solids</b>	: Approx 25 - 32% dependant on pigmentation.
<b>Recommended DFT</b>	: 50 - 100 microns DFT.
<b>Usual no. of coats</b>	: 1 – 2 coats wet on wet.
<b>Flexibility</b>	: Permanent flexibility - adequate for normal substrate movement.
<b>Abrasion Resistance</b>	: Excellent resistance to scrubbing and sand abrasion.
<b>Bacterial Resistance</b>	: Excellent.
<b>Chemical Resistance</b>	: Excellent resistance to organic and inorganic acids.
<b>Dry heat Resistance</b>	: Excellent.
<b>Solvent Resistance</b>	: Good.
<b>Salt Spray Resistance</b>	: Excellent.
<b>Thinning</b>	: V111 Medium Thinners.
<b>Durability</b>	: Outstanding.

**Product weight** : 1.01 ~ 1.25Kg/Litre.

**MERITS:**

1. Excellent weathering performance.
2. Excellent corrosion resistance with suitable primer.
3. Low maintenance coating with long term durability.
4. Excellent chemical resistance.
5. Excellent topcoat for heavy duty purpose.
6. High performance coating.
7. High slip finish improves aerodynamics.

**LIMITATIONS:**

1. Two or three coats may be needed to achieve even gloss level for vertical spray applications.

**APPLICATION DATA**

**Mixing** : Mix Pack A and Pack B in ratio 4:1 by volume and stir thoroughly.  
**Equipment** : Air atomisation, airless, air assisted airless, HVLP (**A & I Coatings** technical staff can assist in this area).  
**Cleaning** : V102 Cleaning Thinners.  
**Typical Specification** : Contact **A & I Coatings** for specific Specifications, dependant on substrate.

**SURFACE PREPARATION:**

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding, to AS 1627. Oil, grease, dirt etc must be removed with detergent and water blasting or solvent cleaning to AS1627.1. Primers should be abraded as necessary.

**CFC and Cementitious Board**

All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by 180 grit sandpaper with orbital sanding to achieve smooth uniform surfaces, providing a sound mechanical key profile for the topcoat to adhere to. Ensure surface is dry and free of all sand, dust, oil, grease and moisture before application of primer – Vitrethane 555 or similar.

**WORK STOPPAGES** : Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with **A & I Coatings** recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

**CLEAN UP** : Clean all equipment after use with **A & I Coatings** recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including and delays.

**PACKING & STORAGE**

**Packing** : Available in 5 or 20L packs. For availability of other sizes, contact **A & I Coatings**.  
**Storage** : 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.

**HEALTH AND SAFETY** : All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Inflonito A20. Users should familiarise themselves with all the safety accepts of the product prior to usage.

Please ensure the current Technical Data Sheet is consulted prior to specification or application of **A & I Coatings** products. If the surface intended to be painted differs from the specification, please consult the **A & I Coatings** Technical team on 1800 819 585.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

*Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.*

**DISCLAIMER**

*Since the use and application of this product is beyond **A & I Coatings or Guardian Building Products** control **A & I Coatings or Guardian Building Products** cannot be held responsible for product field performance. The information presented above is the result of **A & I Coatings** considerable experience with this product but is not to be construed as a performance warranty.*

For additional information, phone **A & I Coatings** Customer Service Centre on **1800 819 585**.

APRIL 2010 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.