

## PRODUCT DESCRIPTION

81A320™ is a high performance, 95% solids, low VOC, two-component, aliphatic polyaspartic membrane coating. Well suited to a variety of industrial, Marine and OEM applications, PolyFlo ASP™ is a new evolution in coating technology allowing medium to high build applications for non-immersion and immersion applications. PolyFlo ASP™ has built in corrosion protection as well as excellent UV stability allowing it to maintain excellent color and gloss retention.

PolyFlo ASP™ MMR is specifically designed for food plant and high humidity applications where mold and mildew growth resistance is essential. PolyFlo ASP™ MMR is readily applied using plural component spray technology and dries within an hour of application.

Ultra Low VOC's, fast dry characteristics and physical properties make PolyFlo ASP™ an environmentally friendly and more cost effective alternative to baked finishes. PolyFlo ASP™ may be used for applications such as bridges, offshore marine structures, light standards, structural steel, food plants, public swimming pool areas, railcar exteriors and OEM.



### CHARACTERISTICS

- Ultra high solids, Ultra low VOC's (<70 grams/liter <0.5 lbs per gallon)
- High build to any thickness in one application; excellent wetting into substrate for smoother finish
- PolyFlo ASP™ MMR resistant to Mold and Mildew growth
- Easy to apply with plural component spray equipment without preheating
- Direct to metal or concrete



### Application

Plural component airless system with inline mix ratio of 2:1 is recommended. No reduction is required. An airless pump system may be used when mixing prior to use. Tip size recommended .030"-.035". This product may be applied with a natural bristle brush or short nap roller (5 mm nap).

Consult a 21st Century Coatings (Canada) Ltd. representative or authorized distributor for recommended application procedures.



### Mixing & Activation

Mix Ratio: 2:1 (2 parts base to 1 part activator)

Base: 81PA320

Activator: 81AC300

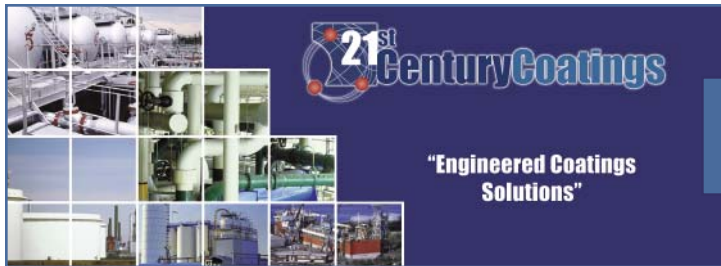
Reducer: No reduction is required

PolyFlo ASP™ is a two component aliphatic polyaspartic designed specifically for application with plural component equipment or airless spray systems.



### Pot Life

PolyFlo ASP™ has a potlife of 117 minutes (< 2 hours) when mixed for airless spray application. Use of a plural component system using and in-line mixer with a ratio of 2:1 is recommended to produce best results.



## Curing

To Touch: 1 hour  
To Handle: 2 1/2 hours



## Colors & Finishes

PlyFlow ASP polyaspartics are available in a wide range of colours including custom colours.

Gloss - > 85-90+ / 60°



## Surface Preparation

Suitable substrates for PolyFlo ASP™ include ferrous metal, galvanized metal, aluminum, fiberglass, carbon fiber, concrete and wood. Good surface preparation and cleaning of all substrates to be coated is essential for optimum performance of the coating system. All surfaces to be coated should be clean, dry and free from contaminants. For old or previously finished surfaces, the degree of preparation and cleaning required, is dependent upon the condition of the substrate.

Consult your 21<sup>st</sup> Century Coatings (Canada) Ltd. representative for recommended surface preparation procedures for your specific project.



## Coverage

**PolyFlo ASP is a high build, two component Aliphatic Polyaspartic that can be applied to any thickness in a single application.**

Solids content (+/- 2%)	95% by volume
Number of Coats	1 coat at 125 microns / 5 mils DFT minimum
Coverage (theoretical)	7.6 m <sup>2</sup> per litre @ 125 microns / 5 mil DFT 305 ft <sup>2</sup> per gallon @ 125 microns / 5 mils DFT



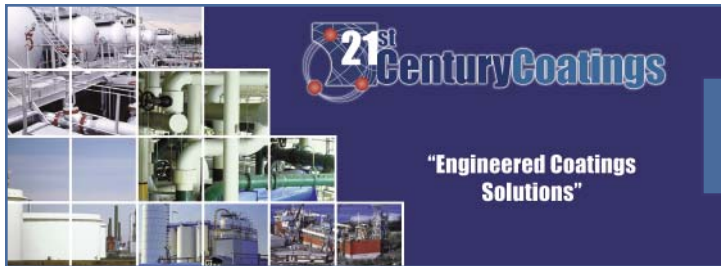
## Storage & Handling

Hazardous Goods:	Paint, Flammable Liquid, UN1263 Class III Hazchem 3YE
Shipping Information:	14 lbs per gallon/1.68 kg per litre
VOC content:	70 grams per litre (.58 lbs per US gallon)
Flash Point (Seta Flash):	>200°F (94°C)

Storage - coatings must be stored and handled in compliance with all current local regulations applying to flammable, or highly flammable liquids. Store in cool, dry, protected storage, well ventilated, between 5°C-35°C / 40°F-95°F and out of direct sunlight, moisture or rain. Maintain unmixed material in sealed containers at all times.

Shelf Life - PolyFlo ASP™ has a minimum shelf life of 12 months from the date of manufacture if stored as indicated above, unopened in sealed containers. Ensure both components are consistent in appearance and thickness after stirring. Component B is extremely sensitive to moisture and should be kept sealed when not in use.

**Do not use an activator that is not clear in colour.**



81PA320™ PolyFlo™ ASP MMR  
Mold and Mildew Resistant Polyaspartic  
rev 02/05



## Precautions

PolyFlo ASP™ is intended for industrial use only. Read each component's material safety data sheet before use. Mixed material has hazards of both components. Safety precautions must be strictly followed during storage, handling and use. Please read our health and safety data sheet.

Please contact your 21st Century Coatings (Canada) Ltd. representative directly or **download appropriate Data Sheets and MSDS from our web site at [www.21st-century-coatings-canada.com](http://www.21st-century-coatings-canada.com)**.

### LIMITATION OF REMEDIES:

21st Century Coatings (Canada) Ltd., makes no express warranty implied by law or otherwise with respect to this product and expressly disclaims liability for consequential or incidental damages. Buyer's sole remedy shall be refund or replacement of products purchased.

**PolyFlo ASP™**  
PolyAspartic Technology