



THE **Herald** ||| ISSUE #53

ERA POLYMERS NEWS BULLETIN



**Era**  
Polymers

**INSIDE THIS EDITION #53**

**IN THIS ISSUE**

|  |       |
|--|-------|
| Lessons From Life.....                         | 1-3   |
| Prepolymers Experts .....                      | 3     |
| Urethane Coatings Silver Seal .....            | 4     |
| Polycure - Outdoors Plus Decking.....          | 5     |
| Celebrating 15 Years! Jimmy Kostouros .....    | 6     |
| Special Mentions - Staff Anniversaries .....   | 6     |
| Anna Miklusia Got Married! .....               | 7     |
| Chris Arena Got Married! .....                 | 7     |
| A Joyful Arrival for David Pu.....             | 7     |
| An Era Christmas in the USA .....              | 8     |
| Seasons Greetings from everyone.....           | 9     |
| Era Celebrates in Style .....                  | 10-12 |
| Era Polymers - Proud Past. Strong Present.     | 13    |
| Take Cover! EraCoat 2KPA.....                  | 14    |
| Lights. Camera. Action! Era Movie Making ..    | 14    |
| Precision Foam for life-like preservation..... | 15    |
| The Lighter Side .....                         | 16    |
| Machinery .....                                | 16    |

FOLLOW US:  
<https://www.linkedin.com/company/era-polymers-pty-ltd/>

**LESSONS FROM LIFE # 40  
▶ PLANT MAINTENANCE ENGINEER**

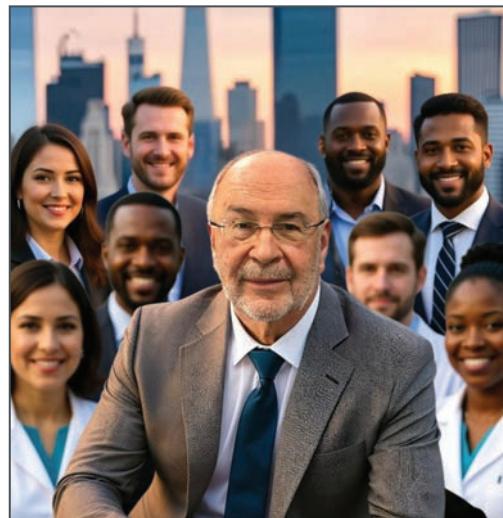
As we approach the end of the year and we move into 2026 ..and towards, our 40<sup>th</sup> Era/ Samos birthday, it's time for some navel gazing.

Time for some introspection.

Time to put pen to paper one more time.

Our company is a family company...each and everyone of our staff, have an important role to play, on its ongoing success, and continuing growth.

My role is to “conduct the orchestra”, to paint pictures with “four inch paint brushes”... and let others, fill the details in with micro brushes.



(Another one of my hidden roles is the protector of our I.P... We are, at the end of the day, a polyurethane technology company. I protect that with all the resources that our company has at its disposal ...but that is a longer story for another day).

I've been on the road for nearly 54 years...I'm a collector of people (people that I have befriended around the world).

I am a collector of stories.

I am a collector of ideas.

I am a collector of what is good (and not so good!) with other companies and use those ideas, if they suit, to make us a BETTER company.

ONE of the things that I have picked up...mind you I didn't need to pick up, it's in my DNA and my family's DNA ...is the very look and feel of our company - e.g. We constantly invest in our business, not just on the technology side (with the employ of our superb specialist chemists and technical staff )...

BUT in the very look and feel, of our factories, our offices, our laboratories.

So, this week, in the factories, the floors are being stripped back, and recoated, the whole place is cleaned, getting ready for the New Year...

The laboratories are given a "deep clean" and tidying... as is my, and Terry's, want.

We invite customers to our various sites, to see what we do, and how we do it.

We have to look clean, tidy and professional.... ALL THE TIME !

MORE importantly...I want all staff, all our staff, to work in a clean, safe and high-class environment.

In too many places, here and overseas , the factories, the offices, look old and TIRED...

That's NOT us.

So, my first overseas trip was, about, when I was 25 years old.

I worked for a company called ESCON CHEMICALS. I was the Chief Chemist.

One of our Technical Managers, Bill Maloney and I got sent overseas, to be further trained in incipient technology.

It was a 5 week trip.

Back then, FORD produced the world first "plastic" bumper that could bump!

A fibreglass bit (XMC) with a polyurethane RIM, moulded, cover bit.

I remember reading an article, at that time, that said, that in the future, ALL bumpers in cars, would be made from "plastic".

My young mind said ;

"They're crazy, what's wrong with Chromed, metal bumpers?"

Little did I know.



Anyway, we were the Aussie licensees, of an American company called BUDD (I wonder what ever happened to them?).

They were world leaders in SMC HMC, and XMC (basically fibreglass and polyester resin).

We had a factory in Bayswater Victoria making them...using BUDD Technology.

Bill Maloney was the Technical Manager.

We were also exclusive agents for Upjohn Chemicals, based in Laporte Texas...(I spent a week, plus, there being trained in polyurethanes) which later morphed into DOW CHEMICALS).

We were also UNION CARBIDE's licensee (BOY, there's a sad story!)...for RIM polyurethane technology.

We also worked with Owens Corning Fibreglass, for the FIBREGLASS, HMC bit.

So, Bill and I had a massive trip...Upjohn, Union Carbide, Owens Corning, and finishing off at Budd in Michigan...to make sure that we had the world's best partners and technology.

By the time we got to Michigan, we were well and truly stuffed.

So, anyway, a side story, is that my father was the world's best gardener/farmer.

Sad to say, that I didn't pick up that part of his DNA...(ALEX, his namesake and grandson, interestingly got THAT gene!)

I'm just as bad as Francene...i.e. we both just love our plastic orchids...So life like.. and so little care ,in looking after them .

SO, Bill and I are sitting in the BUDD board room, waiting for our hosts to arrive.

A lady comes in ,and asks if we would like tea or coffee, with classy biscuits, of course.

(Another fantastic custom that has disappeared...NOW you're lucky if you get offered a bottle of water!).

There were three large REAL plants in the board room...

They had shrivelled up, because of lack of water...confirmed by the soil, that had the look of dried mud cracks...like you see in parched, desert environments.

Like I said, I'm no gardener...BUT I know enough, to know when a plant is dying, because lack of water.

So, when the lady comes back with the tea and biscuits...I asked her, could she bring me a jug of water...so that I can rehydrate the plants.

"NOT, necessary" she said;  
"We have a PLANT MAINTENANCE ENGINEER"

A guy EVENTUALLY, comes in, with exactly that title, stencilled on his shirt!



He pulls out a hygrometer, sticks it into soil and says;

"Goddam, you're right sir, these plants need some water"

They were the days, my friend....EVERYBODY had an important role to play, in each company.

AND,

PLANT MAINTENANCE ENGINEERS, needed a hygrometer, to know when a plant was dying, from thirst.

Dad would have been proud of me...  
I didn't need one .

*George Papamanuel*  
DECEMBER 2025

Life takes a bit of time  
and a lot of relationship.

William P. Young

## Prepolymers Experts - WE DO IT ALL



### Era Polymers: The Prepolymers Experts - WE DO IT ALL

When it comes to prepolymers, Era Polymers truly leads the way.

With an impressive 28 different reactors / kettles available in various sizes and configurations, we're proud to say - **if you need prepolymers, talk to us!**

Our range includes TDI's, MDI's, Aliphatics, and Polyester Polyols, giving our customers the flexibility to find exactly what they need for their application. Whether it's elastomers, coatings, adhesives, or specialty systems, we have the chemistry, technology, and technical know-how to deliver exceptional results.

For close to four decades, Era Polymers has been at the forefront of polyurethane innovation. Our in-house expertise, backed by world-class manufacturing and dedicated technical support, ensures that every prepolymer we produce meets the highest standards of performance and consistency.

At Era Polymers, we don't just make prepolymers - **we master them.** So, if you're looking for reliability, versatility, and industry-leading expertise...

Talk to the Prepolymer Experts.

**LET'S TALK!**  
[www.erapol.com.au](http://www.erapol.com.au)

Tel: +612 9666 3788



# URETHANE COATINGS



**SILVERSEAL**  
QUICK DRYING MULTIPURPOSE SEALER

SHAKE WELL



**URETHANE**  
COATINGS

**SILVER SEAL**



QUICK DRYING MULTIPURPOSE SEALER

WWW.URETHANECAOTINGS.COM.AU

**URETHANE**  
COATINGS

12 MONTHS  
SHELF LIFE

COMPATIBLE WITH:  
- ALL TIMBER SPECIES  
- CORK  
- PARTICLE BOARD



WWW.URETHANECAOTINGS.COM.AU

Urethane Coatings' **SILVERSEAL** has been developed as a first coat for, cork tiles, particle board, pine species (Baltic, Cypress and Radiata) and all species of Hardwoods.

**SILVERSEAL** may also be mixed with fine sawdust (or sanding dust [for perfect colour matching use sanding dust from the same timber species [after sieving out any sanding aggregate]]) to slurry consistency, for use as a filler for timber seams.

As **SILVERSEAL** is highly flexible it will virtually eliminate edge bonding when it is heavily applied and worked into the seams, thereby preventing entry of the subsequent coat of **MONOTHANE SILVER GLOSS**.

**SILVERSEAL** is compatible with and/or may be mixed with, **TIMBERSEAL**.

**STAY UP TO DATE!**  
Call our Urethane Coatings division to discuss your needs today!  
Tel: +612 9666 3888

**URETHANE**  
COATINGS

RAPID DRYING  
TIMBER SEALER

HIGHLY  
FLEXIBLE



WWW.URETHANECAOTINGS.COM.AU

**URETHANE**  
COATINGS

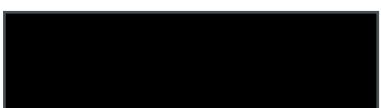
10M SQUARED PER  
LITRE

MAY ALSO BE COATED  
WITH ALL DUOTHANE  
PRODUCTS, OR TUNGSEAL.

30-40 MIN DRY TIME

WWW.URETHANECAOTINGS.COM.AU

**WaterKote**



**AQUAPRO**  
WATER BASED FLOOR COATINGS

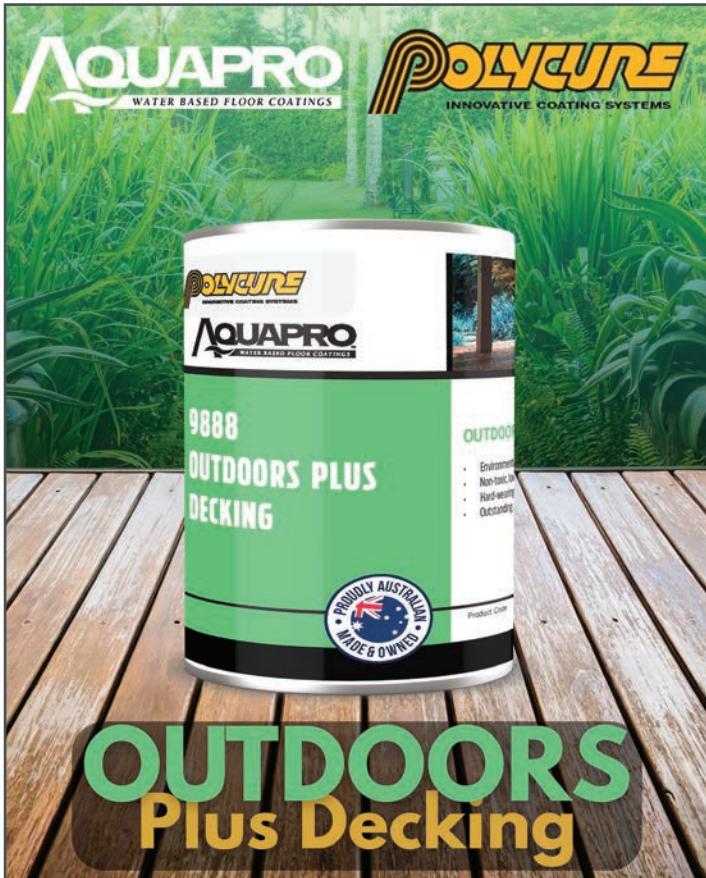
**POLYCURE**  
INNOVATIVE COATING SYSTEMS

**WaterKote**





## ALL HANDS ON DECK



A premium, water reducible, solvent free, penetrating oil-based coating. Hard wearing with outstanding adhesion and toughness as well as slip and UV resistance when used with additives.

- Environmentally responsible
  - made from bio based, ecologically sustainable products.
- Non-toxic, low odour.
- Hard wearing with outstanding adhesion and toughness.
- Slip and UV resistance when used with additives

|                |                    |  |
|----------------|--------------------|--|
| Specifications | Heat / Temperature | Do not apply if temperature is below 15°C or above 30°C. Do not apply in full sun or when rain or heavy dew is expected within 2 days. |
|                | Drying             | Recoat – 3-4 hour<br>Light Foot Traffic – 12 hours<br>In cooler or humid conditions drying times will be longer                        |
| Properties     | Colour             | Natural, lightly pigmented   |
|                | Finish             | Satin - Gloss  |
|                | VOC Level          | <38g/L   |
|                | Thinner            | To help maintain a wet edge and reduce drag on hot days Aquapro Outdoors Wet Edge Extender can be used.                                |
|                | Pack Sizes         | 4L, 10L  |
|                | Product Code       | PO AQOTPD-04   |
|                | Clean Up           | Water Clean up   |

### For more information:

Call our experts on **Tel:** +612 9666 3888 | **Fax:** +612 9666 4805 | **Email:** erapol@erapol.com.au | **Website:** www.urethaneatings.com.au

# CELEBRATING 15 YEARS OF DEDICATION: JIMMY KOSTOUROS MARKS A MILESTONE WITH ERA POLYMERS



Jimmy Kostouros

This month, **Era Polymers** proudly celebrates a remarkable milestone: **15 years of service by Jimmy Kostouros**, a team member whose contribution, character, and work ethic have become part of the very fabric of the company.

From the day **Jimmy joined Era Polymers**, he stood out - not just for his technical skill and reliability, but for the way he embraced the company's culture with sincerity and enthusiasm. Over the past decade and a half, he has earned the respect and admiration of colleagues across all departments, becoming known as someone who works hard, supports others, and brings heart to everything he does.

In honour of this anniversary, founder **George Papamanuel** shared a heartfelt message that beautifully captures Jimmy's impact:

"Sometimes in business life (and hopefully even in your private life) you get lucky..."

You employ people that you want to employ.  
You employ people that are motivated...extremely.  
You employ people that do their job, brilliantly...with a minimum of fuss.  
You employ people that fit in, from day one, absolutely brilliantly, with the culture that we all have worked so hard to create.

You employ people that **FEEL**... genuinely **FEEL** for their fellow man.

Jimmy is that and so much more... we well and truly hit the jackpot 15 years ago.

Thank you Jimmy."

George's words reflect not only leadership pride but genuine admiration for a colleague who consistently exemplifies the values Era Polymers holds dear: **integrity, teamwork, humility, and a commitment to excellence**.

Jimmy's contributions over the past 15 years - whether behind the scenes or front and centre - have helped shape Era Polymers into the organisation it is today. His dedication is appreciated not just as an employee, but as a valued member of the wider Era family.

**Congratulations, Jimmy, on 15 outstanding years.**

Thank you for everything you bring to Era Polymers.

We look forward to many more years of success, teamwork, and shared achievements together.



## LAST DAY FOR 2025 & REOPENING DATES 2026

**ERA POLYMERS  
AUSTRALIA - HEAD OFFICE**  
Last Working Day: 19th December, 2025  
Re-open: 5th January, 2026

**ERA POLYMERS  
USA**  
Last Working Day: 23rd December, 2025  
Re-open: 5th January, 2026

**SAMOS POLYMERS  
AUSTRALIA**  
Last Working Day: 19th December, 2025  
Re-open: 5th January, 2026

**ERA POLYMERS  
AFRICA**  
Last Working Day: 19th December, 2025  
Re-open: 12th January, 2026

**ERA POLYMERS  
NEW ZEALAND**  
Last Working Day: 19th December, 2025  
Re-open: 12th January, 2026

**URETHANE COATINGS & POLYCURE**  
Last Working Day: 19th December, 2025  
Re-open: 5th January, 2026



## HAPPY ERA & SAMOS BIRTHDAY! SPECIAL MENTIONS (OCT-DEC\*)

|                                      |          |
|--------------------------------------|----------|
| ARLINGGA SUTINAH (ERA HQ) .....      | 14 YEARS |
| LINDA LIU (ERA HQ) .....             | 13 YEARS |
| GERHARD CRONJE (ERA SOUTH AFRICA) .. | 13 YEARS |
| RAJNEEL SINGH (SAMOS) .....          | 12 YEARS |
| CON VOIROUDIS (ERA HQ) .....         | 7 YEARS  |
| RAY LOPEZ (ERA USA) .....            | 7 YEARS  |
| NIKOLAS PAVLOU .....                 | 5 YEARS  |

\*STAFF 5+ YEARS LISTED ABOVE

## ANNA GOT MARRIED!

A Beautiful Celebration: Congratulations to Anna & Sławek!



It brings us great joy to share some wonderful news from the **Era Polymers family** - our very own **Anna Miklusia**k, Foams Chemist, has officially tied the knot!

On the 9th of October 2025, Anna and her beloved (and very new) husband Sławek celebrated their wedding in Poland, surrounded by family, friends, and a whole lot of happiness. From the photos and stories shared, it's clear that the day was filled with love, laughter, and unforgettable moments. And of course - Anna made a truly stunning bride.

At **Era Polymers**, we are incredibly proud of the people who make up our team, and milestones like these are a reminder of the joy and richness in all our lives beyond the workplace.

### To Anna and Sławek:

Congratulations on your beautiful wedding! We wish you a lifetime of love, support, shared dreams, and happiness as you begin this wonderful new chapter together.

**From all of us at Era Polymers - cheers to the newlyweds!**



### A Joyful Arrival!

With hearts full of love and happiness, we are delighted to announce that **David Pu** (Business Manager M.A.C.S) and his partner **Emma** welcomed their beautiful baby boy, **Oliver**, into the world on 29 October 2025 at 12 midday.

Oliver arrived weighing 2.7 kg, and in just 7 short weeks he has grown into a thriving little bundle of joy at 5.2 kg - proof that he's already embracing life with enthusiasm!

## CHRIS & AK GOT MARRIED!

Creating memories for life



Congratulations Christopher (Chris) Arena & Akankhya (AK)!

All of us at **Era Polymers** send our warmest congratulations to **Chris Arena** from our **Marketing Department** and his beautiful soulmate Akankhya (AK) on their marriage held on 13<sup>th</sup> December 2025.

From the heartfelt ceremony at the stunning St Brigid's Church in Marrickville to the joyful celebrations shared with family and friends at

The Epping Club, it was truly a day filled with love, laughter and happiness.

**Era Polymers** was proudly represented by Tina Papamanuel, Alex Papamanuel and Francene Papamanuel, who were delighted to share in such a special occasion.

Wishing Chris and AK a lifetime of love, partnership and endless happiness as they begin this wonderful new chapter together.



As Oliver gets ready to celebrate his very first Christmas, there could not be a more precious gift for David and Emma, or a more wonderful way to end the year.

**Congratulations to David and Emma on the arrival of Oliver.** Wishing your family a lifetime filled with love, laughter, and treasured moments together.

# AN ERA POLYMERS CHRISTMAS WORLDWIDE

## ERA POLYMERS USA - STAFF & CHRISTMAS DINNER



ANDY CLOCK &amp; REY LOPEZ



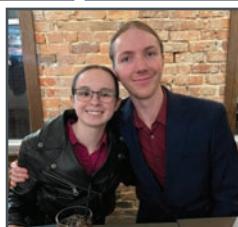
CHRIS (MAINTENANCE) &amp; ANGELICA



ERNESTO (SALES) &amp; JESSICA



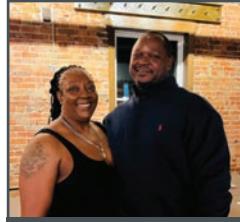
GABRIELLA (CHEMIST) &amp; RAUL



HUNTER (CHEMIST) &amp; CAROLINE



NICOLE &amp; PAM (ADMINISTRATION)



JONNY &amp; LETICIA



CAITLIN &amp; JOSH



STEPHANIE &amp; MARCUS (OPERATOR)



MARKAVIOUS (OPERATOR)



NICOLE &amp; STEVE (QC)



WENDY &amp; RANDALL (PROD. MANAGER)



REY &amp; JENNIFER



TYRONE (OPERATOR) &amp; KEIRA



PAUL &amp; SARA - THE WAITE FAMILY

ERA POLYMERS USA &amp; SAMOS EXI - STANLEY, NC, USA

**Shannon and Nicole Williams** crossed oceans from Era / Samos Polymers to visit **Era Polymers USA**, bringing warmth, laughter and a true sense of family with them. In Mt Holly, North Carolina, the team gathered at the beautiful new Holland Wine Bar &

Restaurant for the 2025 Christmas dinner. Stories were shared, glasses were raised, and the room buzzed with connection and gratitude. It was a simple evening, perfectly done - and one the **Era Polymers USA** team will remember fondly.



## SEASONS GREETING FROM ALL OF US!



Season's  
Greetings from  
**Era Polymers  
Africa!**

May your  
holidays be as flexible as our  
elastomers, as strong as our

adhesives, and as bright as a  
freshly poured resin.  
Here's to a New Year that  
cures perfectly!  
We look forward to creating,  
innovating, and growing with  
you in 2026.



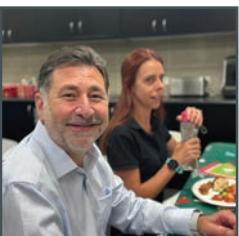
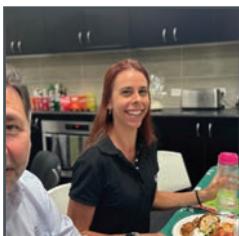
**APPLIED POLYMERS**

Greetings from Applied Polymers in  
Melbourne - MERRY CHRISTMAS  
EVERYONE!



Greetings from New Zealand.  
MERRY CHRISTMAS!  
See you in the New Year...in our NEW building!

### ERA POLYMERS CHRISTMAS LUNCH - BANKSMEADOW



# ERA POLYMERS CELEBRATES IN STYLE!

After **39 years of Era Polymers & Samos Polymers Christmas parties**, you'd think we'd seen it all - the unforgettable, the unpredictable, and even the downright curious (how did Tony cope keeping a straight face being Santa for 5 years...and not ONE put on the naughty list!?).

But this year? This one was perfect.

Sailing onto the scene with more style than Santa's sleigh, The Jackson super yacht became our floating home of holiday cheer. Gleaming decks, elegant lounges, and views so stunning they made everyone briefly forget about prepolymers, elastomers, and foam densities.

The staff of Era Polymers and Samos Polymers came aboard ready to celebrate another year of teamwork, triumphs, and the occasional "there's cake in the kitchen everyone!" And we celebrated in style.

As for the **MUSIC?** Well, that's when The Jackson truly became The Jacks-ON.

There were elegant moves, questionable moves, and at least one person who swore the boat was rocking in rhythm with their dancing (it wasn't...but points for confidence).

Beneath all the sparkle, and the occasional slightly over-enthusiastic shimmy, one thing was clear: this night captured exactly what makes Era Polymers and Samos Polymers so special.

A workplace where colleagues become friends. Where a year

of hard work deserves to be celebrated in style. And where a superyacht full of people can feel like one big family setting the perfect tone for the joyful Christmas festivities with their own families to come. A spirited blend of brilliant minds, warm hearts, and the occasional person who insists they didn't take the last Tim Tam (we know you did).

A heartfelt thank you to Francene Papamanuel for once again orchestrating a truly perfect Christmas party...practically single-handed! Your talent, dedication, and eye for detail make every Era Polymers celebration feel effortless, magical, and unforgettable. We are so grateful for everything you do behind the scenes to bring us all together. Our sincere thanks also go to George Papamanuel & Tina Papamanuel, our generous and gracious hosts. To Alex Papamanuel Shannon Williams & Nicole Williams, for their unwavering support, generosity, and leadership. Your commitment to creating moments of joy and unity for all of us is deeply appreciated.

What a wonderful way to celebrate another remarkable year together.

Here's to 39 years of unforgettable Christmas parties, and to many more gatherings where we celebrate not just what we make, but who we are.

**Cheers to the Era Polymers and Samos Polymers teams - where every end-of-year celebration sets the tone for a joyful Christmas ahead!**



FINE DINING ON THE JACKSON





## THE JACKSON: WHERE THE ERA POLYMERS & SAMOS POLYMERS FAMILY SWAP LAB COATS FOR FIND FOOD & FESTIVE DRINKS



# Era Polymers - Founded on family. Grown by people.

Proud Past. Strong Present. Inspired Third Generation

## AN INTERVIEW WITH A PROUD GRANDFATHER AND FOUNDER OF ERA POLYMERS

It's a Friday afternoon, we have the privilege of sitting down with **George Papamanuel**...our founder, mentor, and the heart of **Era Polymers**...for one of his trademark candid conversations. George has a way of speaking that blends wisdom with humour, and honesty with deep pride. This conversation was no different, as he opened up about something close to his heart: **family**.

"As most people know, our company is a family company with family values," he began, settling into his chair with a smile. "At the moment, the first and second generations of our family are in the business. Sometime soon the third generation will join."

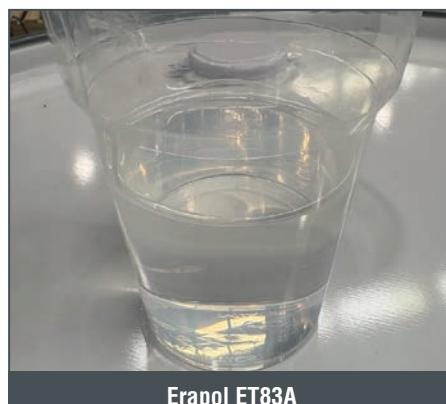
And indeed, they already have.

**George** shared the exciting news that **Alex** and **Francene**'s youngest daughter, **Evie**, has just wrapped up her final year of high school. The same goes for **Shannon** and **Nicole**'s eldest son, **Adam**. Like many teenagers leaving school, Adam found himself at a crossroads: spend his summer flipping burgers at McDonald's, or step into the world of chemistry, manufacturing, and early mornings at **Era / Samos Polymers**.

"He had to make a call," George said, pausing for effect. "Work at McDonalds during the summer break, OR come to work at Era/Samos. He chose the latter."

That decision came with a serious wake-up call - literally.

"That means getting to work at 4 am," George chuckled. "And look at the first batch that he made...a water-clear prepolymer called ET83A. Good one, Adam!"



Erapol ET83A

There was genuine pride in George's voice - not just in Adam's effort, but in what it symbolises for the future of the company. The next generation isn't just observing; they're rolling up their sleeves, learning the craft, and contributing from day one.

Friday afternoons with George always remind us of why **Era Polymers** is more than a business - it's a legacy. A place where stories, skills, and values are passed down with the same care and precision as our products. And as the third generation starts to step through our factory doors before sunrise, that legacy shines brighter than ever.

Here's to George and Tina Papamanuel, to the generations before and after them, and to the future of **Era Polymers** - **shaped by family, fuelled by passion, and strengthened with every new story shared**.

### LET'S TALK!

Tel: +612 9666 3788  
[www.erapol.com.au](http://www.erapol.com.au)



ADAM WILLIAMS



SAMOS POLYMERS  
 ST MARYS NSW AUSTRALIA

# TAKE COVER!!!!

## ERACOAT 2KPA

TWO-PACK  
POLYASPARTIC COATING

- Highly durable floor coating suitable for internal and external use

**Eracoat 2KPA** is a high-performance UV-resistant, non-yellowing, two-component coating system which is hand-applied to give a highly durable, gloss finish surface with a fast return-to-service. Available in clear and a range of coloured options.



## ERACOAT 2KPA

### ➔ TWO-PACK POLYASPARTIC COATING DATA

| ➔ PHYSICAL PROPERTIES                               | ERACOAT 2KPA                                     |
|---|--|
| Mix Ratio (Volume)                                  | 1:1 (Part A : Part B)                            |
| Density   | 1.4-1.45   |
| Solids (Weight %)                                   | 98   |
| Recommend Coverage per coat (L per m <sup>2</sup> ) | 6-10m <sup>2</sup>                               |
| Recommend Film Thickness (DFT um)                   | 70 - 300 micron                                  |
| Application Tool                                    | Brush (for edges) and 10-12mm nap roller / T-Bar |
| VOC content (g/L)                                   | 70 g/L   |
| Odour   | Very Low Smell                                   |
| Tensile Strength (MPa)                              | 12 MPa   |
| Elongation (%)                                      | 47 %   |
| Hardness (Shore A)                                  | 95 Shore A                                       |
| Hardness (Shore D)                                  | 53 Shore D                                       |
| Tear Strength (kN/m)                                | 60 kN/m  |
| Abrasion (mg loss)                                  | 48 mg loss                                       |
| Incidental Contact Temperature (°C)                 | Up to 100°C                                      |
| Service Temperature (°C)                            | Up to 80°C                                       |
| Recommended substrate moisture (°C)                 | <5%  |
| Recommended relative humidity (%)                   | Between 20% and 65%                              |
| Shelf Life  | 12 Months  |

| ➔ DRYING PROPERTIES                               | ERACOAT 2KPA         |
|---|----------------------|
| Pot Life*   | (Hours) 1.5 hr       |
| Working Time *                                    | (Hours) 0.5 hr       |
| Open Time*  | (Hours) 1 hr         |
| Tack-Free Time*                                   | (Hours) 1.5 hr       |
| Recoat Time*                                      | (Hours) 1.5 - 2.0 hr |
| Foot-Traffic*                                     | (Hours) 2.0 - 2.5 hr |
| Sanding Time*                                     | (Hours) 2.5 - 3.0 hr |
| Recoat Interval*                                  | (Hours) 18 hr        |
| Vehicle Traffic*                                  | (Hours) 24 hr        |
| *Testing Temperature & Humidity 25°C and 35% R.H. |                      |
| Testing WFT                                       | 100um                |

NB The colours replicated are as close to actual product colours as modern printing will allow.

|             |               |            |             |
|-------------|---------------|------------|-------------|
| BRIGHT BLUE | Pipeline Grey | SIGNAL RED | OATMEAL     |
| JADE GREEN  | KOALA GREY    | SUNFLOWER  | WHITE BLACK |



[www.erapol.com.au](http://www.erapol.com.au)

...and...action!!

## Era Polymers Movie Making Range. Set Building & Prop Making Industry.

Era Polymers Products Have featured in  
The Following Blockbusters  
Lord of The Rings  
Superman  
Mask 2  
Matrix Trilogy  
Babe  
The House of Wax  
Farscape  
Star Wars

### Era Polymers Movie Making Range

#### Fomo Handi Foam

Conveniently packaged disposable spray kits suitable for void fill, gluing and much more! Easy to use with minimum mess.

#### General Purpose Foams

#### Self Skinning Foams - Suitable for Props and Accessories

#### Prototyping Elastomers

Optically Clear and Coloured Polyurethanes suitable for making props.

#### Dow Corning Silicones



For more information on Era Polymers Movie Making Range of Products contact us on +61 (0) 2 9666 3788, alternatively; email: erapol@erapol.com.au



## INTERESTING FACTS

Plants/Trees secret chemical compounds that calm you down and reduce anxiety. They're called phytoncides.

This is why you should "touch grass"

Did you know octopuses have three hearts and their blood is blue because it's copper based instead of iron? Also, they can edit their own RNA, meaning they can literally rewrite their biology in real time. Kinda makes human evolution look lazy.



ERA POLYMERS PTY LTD  
2-4 GREEN STREET  
BANKSMEAD NSW 2019

TEL: +612 9666 3788  
FAX: +612 9666 4805

# Precision Foam for Life-Like Preservation. *Foam with Form!*



APPLIED POLYMERS



## Creating life-like 3 Dimensional Animal Replicas

Taxidermy is the art of preparing, stuffing, and mounting the skins of animals, to create a life-like three dimensional replica. It takes on a number of forms and purposes including hunting trophies and natural history museum displays. Museums use taxidermy as a method to record species, including those that are extinct and threatened.

The word taxidermy is derived from two ancient Greek words, *taxis* meaning arrangement and *derma* meaning skin. Therefore

loosely translated taxidermy means the “arrangement of skin”.

The only natural parts used in the construction of a 3 dimensional model of an animal are the antlers and the skin. All the other organs and tissues are recreated with man-made materials. The eyes are made from glass, the eyelids are sculpted from clay, the soft tissues of the nose and mouth are sculpted from epoxy or wax and the manikin or “form” (which incorporates the anatomy of each muscle and vein) is made from polyurethane foam.



### Aptane™ P263/B900

A two component rigid polyurethane foam system for the manufacture of closed cell rigid foam an ideal choice for taxidermy projects

Contains no HCFC Blowing Agents  
(Zero ODP system using HFC blowing agents)

Has an extended reaction profile.

Mix Ratio:  
By Weight - 100 Parts P263 : 110 Parts B900  
By Volume - 100 Parts P263 : 100 Parts B900

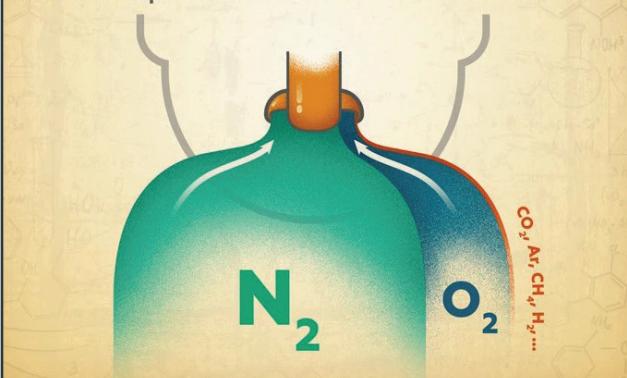
Easily processed by hand mixing or through plural component dispensing machines.

Includes a Fire Retardant to ensure optimum performance.

Core Density 47 kg/m<sup>3</sup>

## WE MAINLY BREATHE NITROGEN!

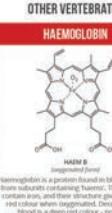
Air is 78% nitrogen, while oxygen (O<sub>2</sub>) only makes up 21% of the air we breathe. The content of carbon dioxide (CO<sub>2</sub>) in the air is not more than 0.03%, and the remaining gases (Ar, CH<sub>4</sub>, H<sub>2</sub>, water vapor) do not make up more than 1%.



## THE CHEMISTRY OF THE DIFFERENT COLOURS OF BLOOD



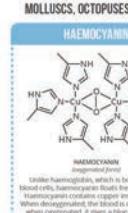
HAEMOGLOBIN



HAEM



HAEMOCYANIN



HAEMOCYANIN



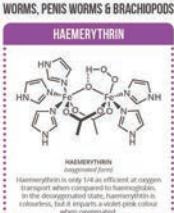
CHLOROCORIN



CHLOROCORIN



HAEMERYTHRIN



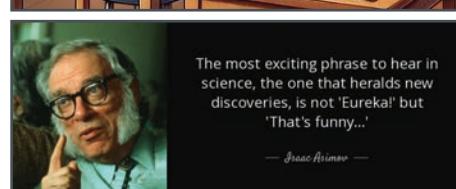
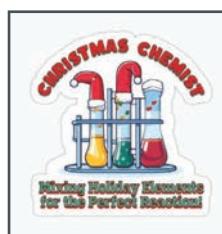
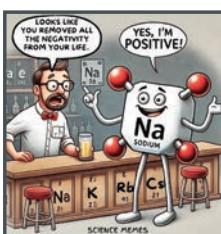
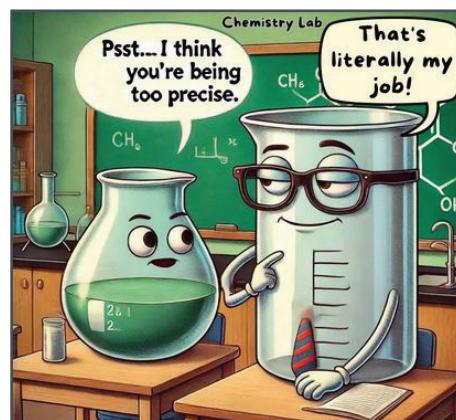
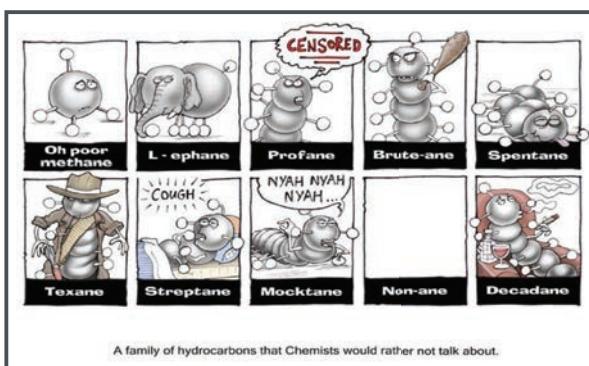
HAEMERYTHRIN





# THE LIGHTER SIDE

**Era**  
Polymers



## WHAT'S MOVING IN MACHINERY?

TEL: +612 9666 3788

### FECKEN FK KIRFEL

Fecken-Kirfel have over 150 years of experience in designing and manufacturing high precision cutting machines for foam, rubber, and technical materials.

Their equipment is trusted worldwide in industries such as mattress & bedding, automotive, packaging, construction, and technical applications where accuracy, consistency, and reliability are critical.

Their Machine Portfolio Includes:

#### Vertical Cutting Machines:

- For straight and contour cutting of foam blocks (Vertical Cutting: V24, V51, V53)

#### Horizontal Splitting Machines:

- For producing sheets with precise, uniform thickness (H24B, H31, H42A)

#### CNC Contour Cutting Machines:

- For complex 2D and 3D shapes (C55 to C69)

#### Profiling & Convoluting Machines:

- For mattress toppers, comfort, and acoustic foams (F62)

#### Peeling Machines:

- For continuous production of thin foam sheets (D21 & D31)

#### Automated Cutting Lines:

- Integrated solutions for high-volume manufacturing

All machines are designed and built in Germany, combining robust construction with advanced control systems to ensure long service life and repeatable results.

**Era Polymers is the exclusive representative for Fecken-Kirfel in Australia and New Zealand, providing local sales, support, and application expertise.**



Scan the QR code on the left to watch exciting YouTube videos of Fecken Kirfel machines in action! For more information, call Josip for expert advice and assistance. Call +612 9666 3788



Sydney • Adelaide • Brisbane • Melbourne • New Zealand • Singapore • Malaysia • United Kingdom • USA • South Africa

**THE Herald**  
ERA POLYMERS NEWS BULLETIN

Editors: Marketing Department  
Victoria Zavras | Christopher Arena

EQUIPMENT AGENCIES

**POLYTEC EMC**

**SUMMERS EQUIPMENT INC.**

Head Office Tel: (+61) 02 9666 3788

2-4 Green St, Banksmeadow NSW 2019  
AUSTRALIA

[www.erapol.com.au](http://www.erapol.com.au)

OTHER AGENCIES

**Stepan**

**Green Mountain International, LLC**

**Ingevity**

**DOW CORNING**

**Handi Foam**