



THE Herald

ERA POLYMERS NEWS BULLETIN

ISSUE #53



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 Miklusiak 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! Eracoate 2KPA.....	14
Lights. Camera. Action! Era Movie Making ..	14
Precision Foam for life-like preservation.....	15
The Lighter Side	16
Machinery	16

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LESSONS FROM LIFE # 40

► PLANT MAINTENANCE ENGINEER

As we approach the end of the year and we move into 2026 ..and towards, our 40th 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 Papamourel
DECEMBER 2025

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

William P. Young

Prepolymers Experts - WE DO IT ALL



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

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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.

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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**.

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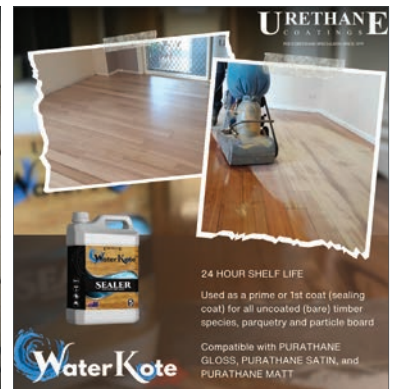
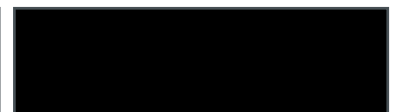
10M SQUARED PER
LITRE

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

30-40 MIN DRY TIME



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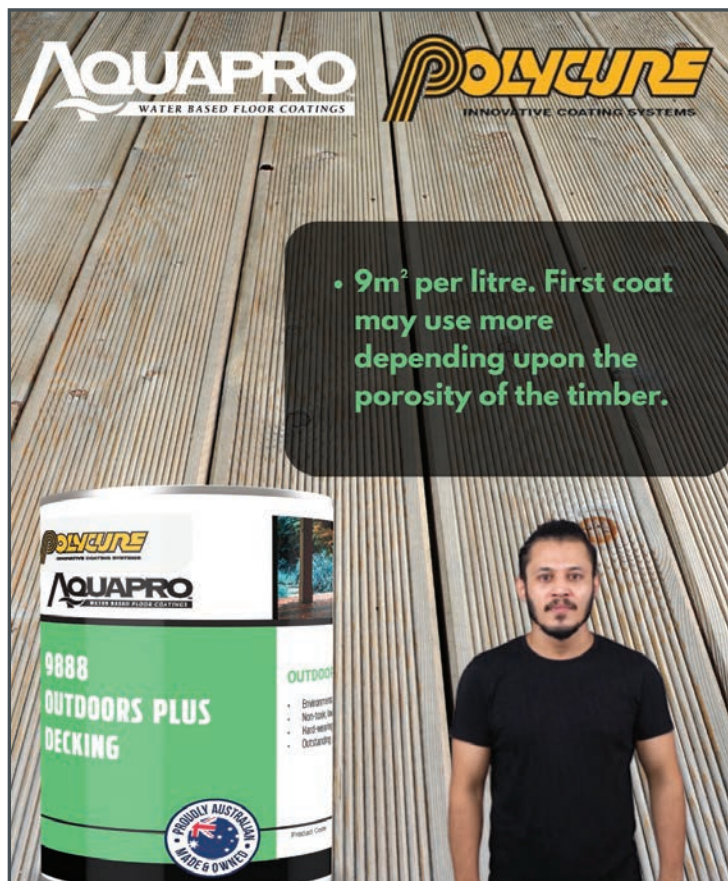
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- Environmentally responsible - made from bio based, ecologically sustainable products.
- Non- toxic, low odour.
- Hard wearing with outstanding adhesion and toughness.
- Slip and UV resistance when used with additives

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 Light Foot Traffic – 12 hours 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

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



Jimmy Kostouros



(L-R) George Papamanuel, Jimmy Kostouros, Tina Papamanuel

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."

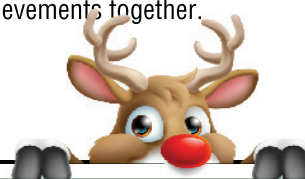
George's words reflect not only leadership pride but genuine admiration for a colleague who consistently exemplifies the values Era Polymers holds dear: integrity, teamwork, humility, and a commitment to excellence.

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 & POLYURE
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 VOUROUDIS (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 Miklusiak**, 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 & Akankshya (AK)!

All of us at **Era Polymers** send our warmest congratulations to **Chris Arena** from our **Marketing Department** and his beautiful soulmate Akankshya (AK) on their marriage held on 13th 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 & REY LOPEZ



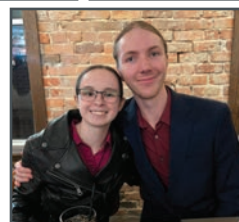
CHRIS (MAINTENANCE) & ANGELICA



ERNESTO (SALES) & JESSICA



GABRIELLA (CHEMIST) & RAUL



HUNTER (CHEMIST) & CAROLINE



NICOLE & PAM (ADMINISTRATION)



JONNY & LETICIA



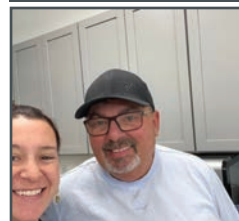
CAITLIN & JOSH



STEPHANIE & MARCUS (OPERATOR)



MARKAVIOUS (OPERATOR)



NICOLE & STEVE (QC)



WENDY & RANDALL (PROD. MANAGER)



REY & JENNIFER



TYRONE (OPERATOR) & KEIRA



PAUL & SARA - THE WAITE FAMILY



ERA POLYMERS USA & 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

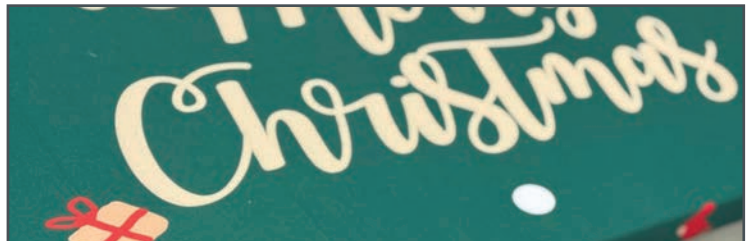
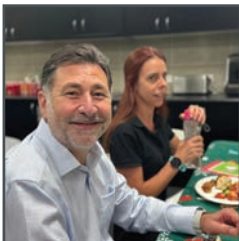
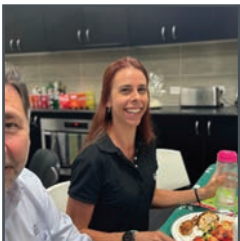
Greetings from Applied Polymers in Melbourne - MERRY CHRISTMAS EVERYONE!



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





Merry Christmas

Party 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."

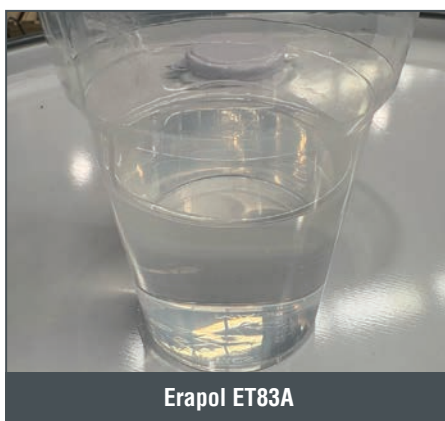
And indeed, they already have.

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!

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ADAM WILLIAMS



SAMOS POLYMERS
ST MARYS NSW AUSTRALIA

TAKE COVER!!!!

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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 ²)	6-10m ²
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.

POWDER BLUE	CURTAIN CALL
BRIGHT BLUE	PIPELINE GREY
SIGNAL RED	OATMEAL
JADE GREEN	KOALA GREY
SUNFLOWER	WHITE BLACK



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Products

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Lord of The Rings

Superman

Mask 2

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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



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+61 (0) 2 9666 3788, alternatively;
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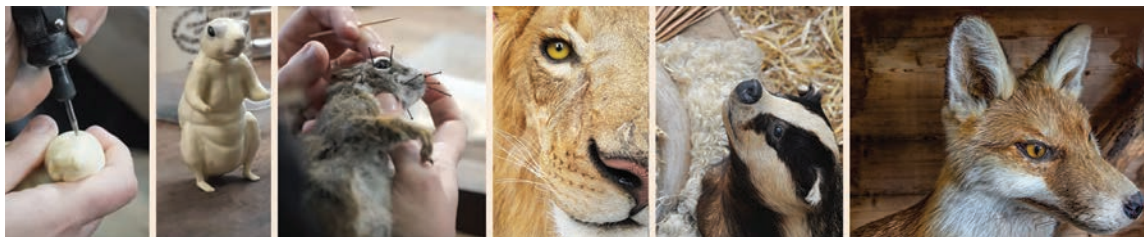
INTERESTING FACTS

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.

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



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

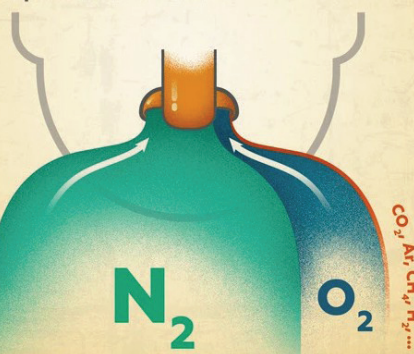
Easily processed by hand mixing or through plural component dispensing machines.

Includes a Fire Retardant to ensure optimum performance.

Core Density 47 kg/m

WE MAINLY BREATHE NITROGEN!

Air is 78% nitrogen, while oxygen (O_2) only makes up 21% of the air we breathe. The content of carbon dioxide (CO_2) in the air is not more than 0.03%, and the remaining gases (Ar, CH_4 , H_2 , water vapor) do not make up more than 1%.



THE CHEMISTRY OF THE DIFFERENT COLOURS OF BLOOD



Red
HUMANS AND THE MAJORITY OF OTHER VERTEBRATES

HAEMOGLOBIN

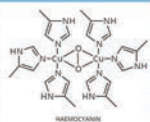


Haemoglobin is a protein found in blood, built up from subunits containing haem. These haem groups contain iron, and their structure gives blood its red colour when oxygenated. Deoxygenated blood is a deep red colour - not blue!



Blue
SPIDERS, CRUSTACEANS, SOME MOLLUSCS, OCTOPUSES & SQUID

HAEMOCYANIN



Unlike haemoglobin, which is found in red blood cells, haemocyanin floats free in the blood. Haemocyanin contains copper instead of iron. When deoxygenated, the blood is colourless. But when oxygenated, it gives a blue colouration.



Green
SOME SEGMENTED WORMS, SOME LEECHES, & SOME MARINE WORMS

CHLOROCRUORIN

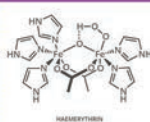


Chemically similar to haemoglobin, the blood of some species contains both haemoglobin & chlorocruorin. Light green when deoxygenated, it is green when oxygenated, although when more concentrated it appears a light red.



Violet
MARINE WORMS INCLUDING PEANUT WORMS, PENIS WORMS & BRACHIOPODS

HAEMERYTHRIN



Haemerythrin is only 1st as efficient at oxygen transport when compared to haemoglobin. In the deoxygenated state, haemerythrin is colourless, but it imparts a violet pink colour when oxygenated.

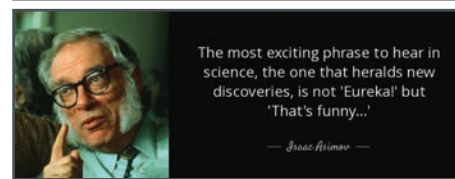
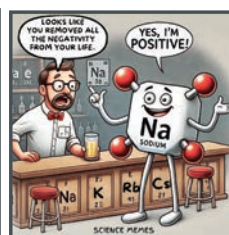
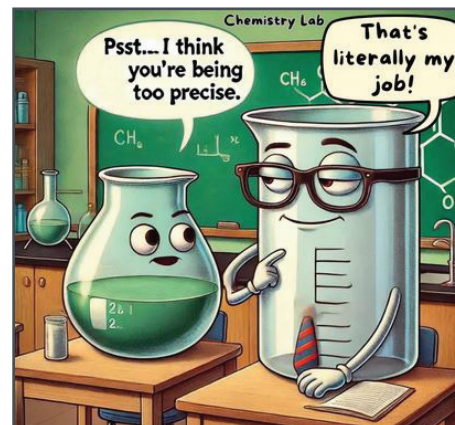
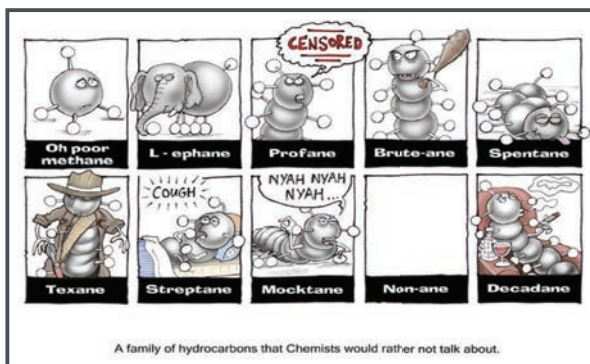
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THE LIGHTER SIDE

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



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