

Era
Polymers

THE **Herald**
ERA POLYMERS NEWS BULLETIN



INSIDE THIS EDITION



32

LESSONS FROM LIFE # 41 - DEJA VU

ERA POLYMERS: SEASON'S GREETINGS

END OF YEAR / HOLIDAY SEASON:

CLOSING: 21 December 2016
RE-OPENING: 04 January 2017

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A few weeks ago, Tina, I, and a couple of friends were driving through some beautiful country, near Lake Como, Italy... as I drove around one particular corner, Tina utters, "Wooo, I just had a 'deja vu' moment".

Have you heard of it... has it ever happened to you ?

I think that most people would say; "Yes, I've had them".

I think that the literal translation is "something seen before".

Do I get them?... all the time... many are very intense... When they come, I KNOW, that I was in EXACTLY the same situation before... That I said EXACTLY, what I just said BEFORE... That the person that was talking to me, said EXACTLY what he just said, BEFORE.

That I had sometime, ONCE, been in EXACTLY the same situation / position as BEFORE. (Continued Pg 2)

May your Christmas sparkle with moments of love, laughter and goodwill, And may the year ahead be full of contentment and joy.

Have a Merry Christmas.

George & Tina Papamanuel

Era Polymers now a Pasquick™ partner for Covestro

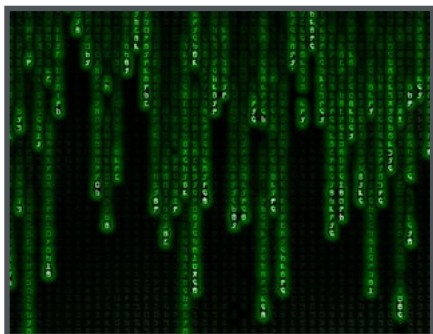


Era Polymers, long-time partner of Covestro Australia recently joined as a Pasquick™ partner. Pasquick™ technology can reduce the number of coating layers required for corrosion protection. (Continued Pg 3)

(Continued from Pg 1)

Weird huh?! There's been a lot of esoteric discussion recently, that, **SOME / MANY**, believe that we are in a "Matrix" i.e a **COMPUTER PROGRAMME** (people like Elon Musk, and the Bank of America / Merrill Lynch) ... Bank of America ?! **NOW...Why would a BANK jump on THAT Bandwagon?!**

So, the Matrix movies ... made in Good Ol' Sydney , where ahead of their time, right!



There's even a couple of Silicon Valley Billionaires who are putting their money on the table, to try and get some scientists to **UN HOOK** us from the Matrix.... Have they asked anyone, if they **WANT** to be unhooked.

The **REAL** reality, may be a lot worse, than the one that we are in now. Have they thought of that !?

I made a mistake a few months ago, for putting one of the Matrix movies on, for some of my grandchildren... and quickly turned it off, when Tina (aged 11) jumped out of her chair.

As much as all our grandchildren enjoy Harry Potter, and Star Wars ... they really aren't quite ready for; "Alternate Realities"...

Come to think of it, **NONE** of the family is interested.

I keep on lecturing them that there is **NO** such thing as reality... Only "**PERCEPTIONS** of reality"...

Anyway, let me tell you my " Matrix / Deja Vu Story .

My mother, was a "dreamer" ...i.e. **EVERY** night, she would have vivid dreams... dreams that she remembered , when she woke up. She believed that **ALL** dreams have a meaning ... a way forward into the future.... So she had a book that gave the **TRUE MEANING** of the dream... So every morning, mum would pore over the book, to determine what the dream

REALLY meant ... Invariably it meant that good luck, good **FORTUNE**, would come our way So she would go out and buy

a couple of lottery tickets ... **SADLY** (for her), we never won **BIG**... only, a very occasional \$10-20 .

So, one night, I was about 16, I had a very, vivid dream... That in itself was very unusual ... I never, or at least, very rarely, remember my dreams.

In this particular dream, I was **ABOUT** 10 years old (rightabout 6 years **YOUNGER**)... And I was standing next to a wire fence,with both my hands, poked through the wire, looking at a **BOXING MATCH**. It was night time. The match was going on inside the wire fence, with lots of people sitting in chairs watching the match.

That in itself was very unusual... I had **NEVER** been to a boxing match in my life, at the age of 16 ... **AND**... I was younger, much younger.

So, when I woke up, the dream was still fresh in my mind ... I repeated the dream

"...there is NO such thing as reality...Only "PERCEPTIONS" of reality"...

to my mother...she immediately went to the "Book of dreams". From memory the book was called **ONEIROKRITIS** (**ONEIRO** is the Greek word for **DREAMS**)...To find out what it meant ... It's **SIGNIFICANCE**.

Nothing showed up, **EXCEPT**, that our luck was about to change ... so she went out and bought an Opera House Lottery ticket **NOTHING**, we didn't win !

Anyway, as I've written before, we came to Australia in September 1954 ... We came out, from Samos with a another Greek Family... The **TSIRIGOS** family (they Anglicised **THEIR** name to **REGOS**) ... Much like I Anglicised our name ... **SLIGHTLY**, to Papamanuel ... the **PROPER** Greek spelling, by the way, is **PAPAEMMANOUIL** ... now isn't **THAT**, a mouthful !)

Circumstances, separated our families... we ended up in Sydney, whilst they stayed in Melbourne.

So, in our Growing Up years, we would sometimes go to Melbourne ,for our summer Holidays, and other years ,they would come to Sydney .

THAT YEAR, when I was 16... it was our turn to go to Melbourne Their three children were Sophia (the eldest) Nick (I think that Nick is about 6 years older than me) ... and **THEIR** George (and my memory tells me that he is / was about 1-2 years older).

So, here we are in Melbourne... One Saturday night George asks me if I wanted to go to a **PUB** (Hotel) ... I said that I couldn't ... The legal age for drinking was 18.

"It doesn't matter" George said, "we'll go to the Beer Garden, out the back".

In for a penny, in for a pound, right... So we went. We walked to the pub... as we got closer, "deja vu" came into play... I know, **KNOW**, that I had been there, before .

George said "Let's go out the back ... I think that there is a Boxing match going on". So, we walked out towards the back, and as we walked ... I thought ... I **KNOW THAT I HAVE BEEN HERE BEFORE** ... It is the **SAME** place as the dream, that I had back in June / July I started to walk slower... frightened...

When we got out the back, there was a 10 year old boy, with his fingers through the fence, watching the boxing match.

My mind screamed "**WHAT, WHAT, WHAT**" That dream, that Boxing match, that 10 year old boy, has haunted me,, all my life.... **NOT** just "deja vu" **BUT** a 16 year old boy, in a 10 year old body, watching two men fighting !

Who / what put me into that bodyand why ?!



So, who are these Billionaires who want to **UN COUPLE** us from the Matrix ... I for one , am quite happy having my intense

“ deja vu ” moments..... sometimes weekly, sometimes more often.

At my ripe old age of 66 ... I'm not going to jump out of my chair, like Tina did, when the next deja vu comes my way...

BUT, boy, it makes my life, ever so more interesting... that the Matrix computer keeps on putting me occasionally into different bodies , and more often than not, lets me live events, TWICE.

As I keep saying to my children;

“There is NO such thing as reality, only PERCEPTIONS of reality“.

George Papamanuel - December 2016

I AM
two of the most powerful words.
For what you put after them shapes your reality.

Era Polymers now a Pasquick™ partner for Covestro

(Continued from Pg 1)

For decades the industry standard for heavy-duty coating applications has been a three-coat system with a two-coat system for medium-duty applications. With **Pasquick™** technology one layer can be saved in both cases.

Pasquick™ features the same level of protection as conventional systems – but with one layer less to apply. Saving time and money.

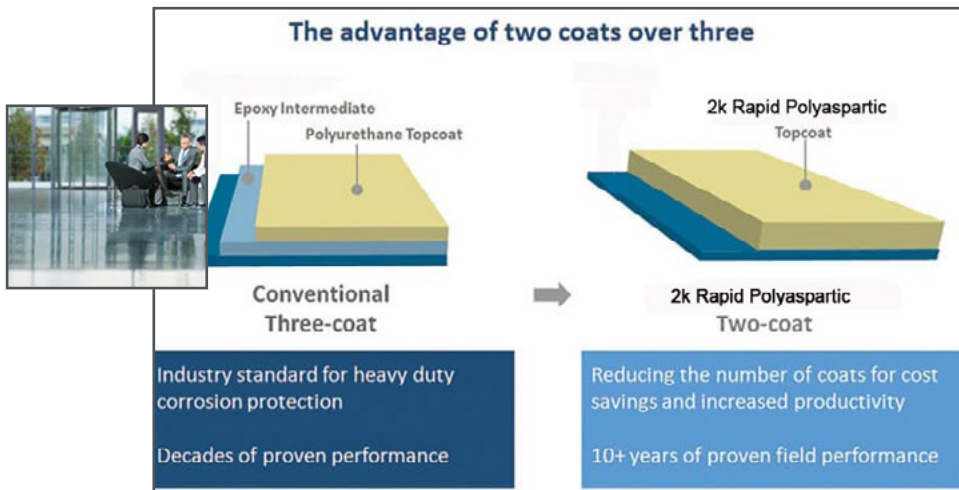
Mr John Eve, Era Polymers General Manager said “Era Polymers is pleased to announce its partnership with Covestro to promote Covestro’s Pasquick™ polyaspartic coatings technology throughout the Asia region.

This technology has enabled Era Polymers to add to its range of two component abrasion resistant, UV stable floor coatings products. The Pasquick™ technology allows application over a variety of substrates plus the significant efficiency benefit of rapid curing, whereby the floor coatings can be foot trafficable in 2 hours, allowing much faster completion and turnover of projects.”

What keeps building owners one layer ahead when fast solutions are in demand?

Conventional fast-cure coating systems strongly affect indoor air quality, resulting in extensive precautionary measures during

renovation works, followed by prolonged decommissioning of entire building sectors. Pasquick™ puts an end to this problem: It is the first fast-cure coating system which complies with relevant VOC directives for indoor application.



WAIT - WHAT?

Something's happening at 2-4 Green Street Banksmeadow... what's John Eve looking at?



**LOOKS LIKE SHANNON KNOWS
FIND OUT IN 2017!
WATCH THIS SPACE...**



Era Polymers BROCHURES

Did you know that most of our brochures and publications are available for download directly from our website?

Simply go to:
www.erapol.com.au and click on the **Download** tab.

OUR STUDENT ACHIEVEMENTS - ERA POLYMERS



Honours Poster Presentation Friday 28 October 2016

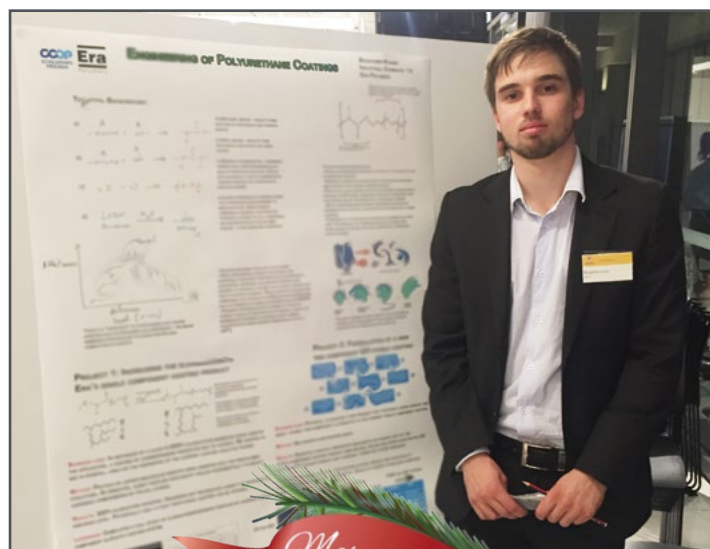
➤ UNSW School of Chemical Engineering Honours Poster Presentation

The 2016 Honours Poster Presentation was held on Friday 28 October at UNSW Kensington Campus.

Chemical engineering, industrial chemistry and food science fourth-year honours students along with postgraduate coursework students gave poster presentations on their research. Academic staff from the School of Chemical Engineering were also present, marking the posters on the day.

Rhys Waldron, Era Polymers Membranes Technical Service attended; "I went to the poster night last week and saw Noah's, Steph's and Ben's posters. Was an enjoyable night. Very interesting work."

Good work everyone!



Pictured: Benjamin Khabib



Erathane BS22 helps keep Jetty Afloat

The Gove Boat Club is the sailor's gateway to the Northern Territory of Australia and Indonesia and is situated in Melville Bay on the North West tip of the Gulf of Carpentaria, the town of Nhulunbuy is 13km from the Club.

Harry Rowe had the job of constructing a 40 metre Tyre-Link Floating Jetty for the club and needed a foam to keep the tyres and the jetty buoyant. Harry sought advice from Era Polymers' Alex Papamanuel on the best product to use for this application Alex recommended Era Polymers **Erathane BS22**.

Erathane BS22 is a rigid polyurethane block foam product for board stock and pour in place applications. The formulation contains fire-retardants and has free-rise endity of 33kg/m3. **Erathane BS22** has been designed for use in a wide range of insulation, buoyancy, or cavity filling applications.



This jetty comprises of 277 truck tyres filled with **Erathane BS22** polyurethane foam, topped with a decking from recycled plastic, the blue polyethylene floats were manufactured by a company in the Northern Territory and provide some extra flotation, for this very smart looking and function jetty.

For more information on **Erathane BS22** foam or other **foams** from the Era Polymers range please contact us:

Tel: +612 9666 3788 | **Fax:** +612 9666 4805

Email: alex@erapol.com.au



URETHANE COATINGS

POLYURETHANE SPECIALISTS SINCE 1979



Introducing WaterKote

Urethane Coatings, a division of Era Polymers, is proud to announce, after extensive development, the release of a Waterborne Polyurethane coating designed for optimum efficiency specifically for the AUSTRALIAN MARKET!

**COMPATIBLE WITH ALL
URETHANE COATINGS**



Why Use WaterKote™?

- Longer UV resistance (designed to last longer in natural light)
- Improved levelling and flow.
- Extended open time – more time to apply and level
- Full PUD (Polyurethane Dispersion, not diluted Alkyds/Acrylic like many products)
- Excellent Sanding
- Reduced stop and lap marks
- Advanced SEALER technology to control tannin bleed, remaining workable at the same time

The WaterKote™ Range

- ✓ WaterKote™ **SEALER**
- ✓ WaterKote™ **1K GLOSS**
- ✓ WaterKote™ **1K SATIN**
- ✓ WaterKote™ **1K MATT**

FOR MORE INFORMATION PLEASE CALL:

Tel: (02) 9666 3888



THE FRIENDSHIP TREASURY

Life, means many things to many people.

To me it is all about family, and all about the people, that you meet along your life's journey. People that you take with you, into your old age.

People that you may not see, and interact with, all the time.

BUT, people who, when you do meet, it is like you were never apart.

It makes this journey, all the more enriching

I have been blessed to have met, and befriended such people, from around the world

Two such dear friends, much closer to home, are Butch and Angie.

The winners are: COLD CASTABLES!

The Era Polymers range of cold castable products are available in both TDI and MDI based systems with varying hardnesses and characteristics to suit almost any application.

Our range includes the Eracast RT range ideal for applications :

(include but not restricted to):

- Concrete Moulding
- Shock & Sound Dampening Pads
- Prototyping

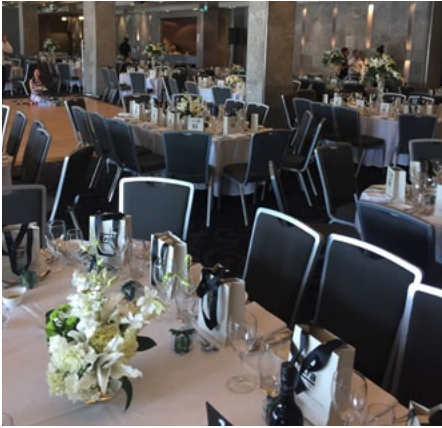
- Washers
- Gaskets on Dispensing Machines



Even intricate designs with complex shapes are easily achieved using the Era Polymers range of cold castable systems.

Era Polymers cold castable systems are relatively simple to process; these two component systems allow processing at room temperature and can be hand mixed or dispensed through a plural component machine.

ERA's SPECIAL EVENTS



30TH ERA POLYMERS ANNIVERSARY 1986-2016 CELEBRATION

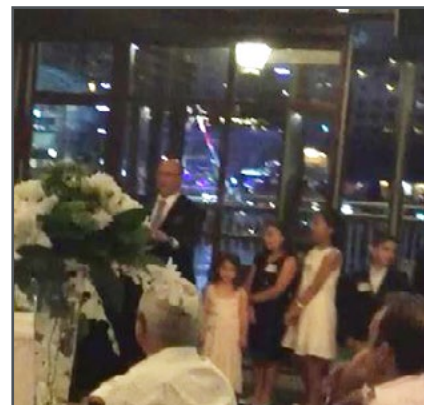




26TH NOVEMBER 2016: DOCKSIDE COCKLE BAY, SYDNEY



Happy 30th Anniversary Era Polymers!



SPEECH

George Papamanuel

“ Ladies and Gentlemen, Boys and Girls,
Good evening....or as the Greeks say Kalispera sas.

The last time we celebrated in this room was our 25th Birthday Party.

A few days after THAT party, Wayne McDermott, from East Coast Polyurethanes, said to me, that that was the BEST Greek Wedding that he had ever been to. WELL, 5 years later, we thought that we should do it all again... So this is the “My Big Fat Greek Wedding Number 2”...

Thanks Wayne ... and by the wayI see that Lisa and Tina, THIS YEAR, aren't wearing the same Anthea Crawford dress?!

As I have mentioned in one of our Newsletters, THIS year is a big year for me personally, for my wife, and for our company.

For example ,This August I turned 66 ... That's the sort of age, that I should be THINKING of retiring ..., indeed I have thought about it a LOT, and... and I'm not going to retire.. Not for a long long,long time!

Another milestone is coming up on December 4th, next week in fact, Tina and I celebrate our 40th Wedding Anniversary .

It's been 40 years of passion, of ups and downs, trials and tribulations, and even more passion...

Somewhere along our life's journey together , we managed to bring into this world, two beautiful, intelligent and motivated children, in Alex and Nicole. They in turn met, and married their soul mates, Francene and Shannon, and they have given us 6 beautiful grandchildren... (stand up, in turn) George, Tina, Evie, Adam, George and the baby of the family .. Joanna. So, we are a blessed family.

Indeed, so too, is our company...Era Polymers...THE reason, why we are here tonight, is of course, to celebrate Era's 30th Birthday ...

The actual BIRTHDAY, was, in fact, on the 12th April... It was started, like all good family businesses in the garage, of our family home, at 11a Beach St. Blakehurst.

My laboratory was in our workshop... My scales were second hand beam scales given to me by Vic Mocsari...

My high tech lab mixer was an \$80 dollar Black and Decker drill ...

My Glass flasks ... were gallon cans.
My 20 kg scales were Tina's bathroom scales.
My moulds were Tina's crème brule cups...
My oven was a pie oven .

AND, I couldn't afford a vacuum pump !
Those were the days my friends, that I thought would never end ...

THANKFULLY they did.

So 30 years later...here we are, we are a company of nearly 130 people.

Good people.

Motivated people.

People who give it their best.... every day .

As I have said many times.. We are only as good as the people that we employ ... and we do employ a lot of very good people .

We are also a company, blessed with many, many good customers.. Many of these customers go back nearly 30 years, with us .. that's a fantastic achievement in this day and age ...To have such loyalty from customers.

Whether you are an old customer, or a new customer... We truly appreciate our relationship. You make us the company that we are. You challenge us, and we certainly try, and hopefully we meet, and maybe even exceed your expectations... AND, at the end of the day, as I keep on saying;

Business is people, doing business with people....

And we are very much, a PEOPLE, company.
So thank you.

As I said, our last Birthday celebration, was about 5 years ago, when we turned 25and on THAT day, we did something very special.

Before I tell you what.....

There is one person who I have shared my life with, for 41 years ... who made ALL my dreams come true...I'm the dreamer in the family... I dream about the future... and one person above all, has been pivotal, in making all these dreams possible.

She, 30 years ago, believed in my dream called Era Polymers (IN FACT, it was HER idea to start this business)... and she very much helped, make this dream, the company that it is today .

Five years ago, Tina and I, danced to a very special song ;

“ You Are The Best Thing That Ever Happened To Me “

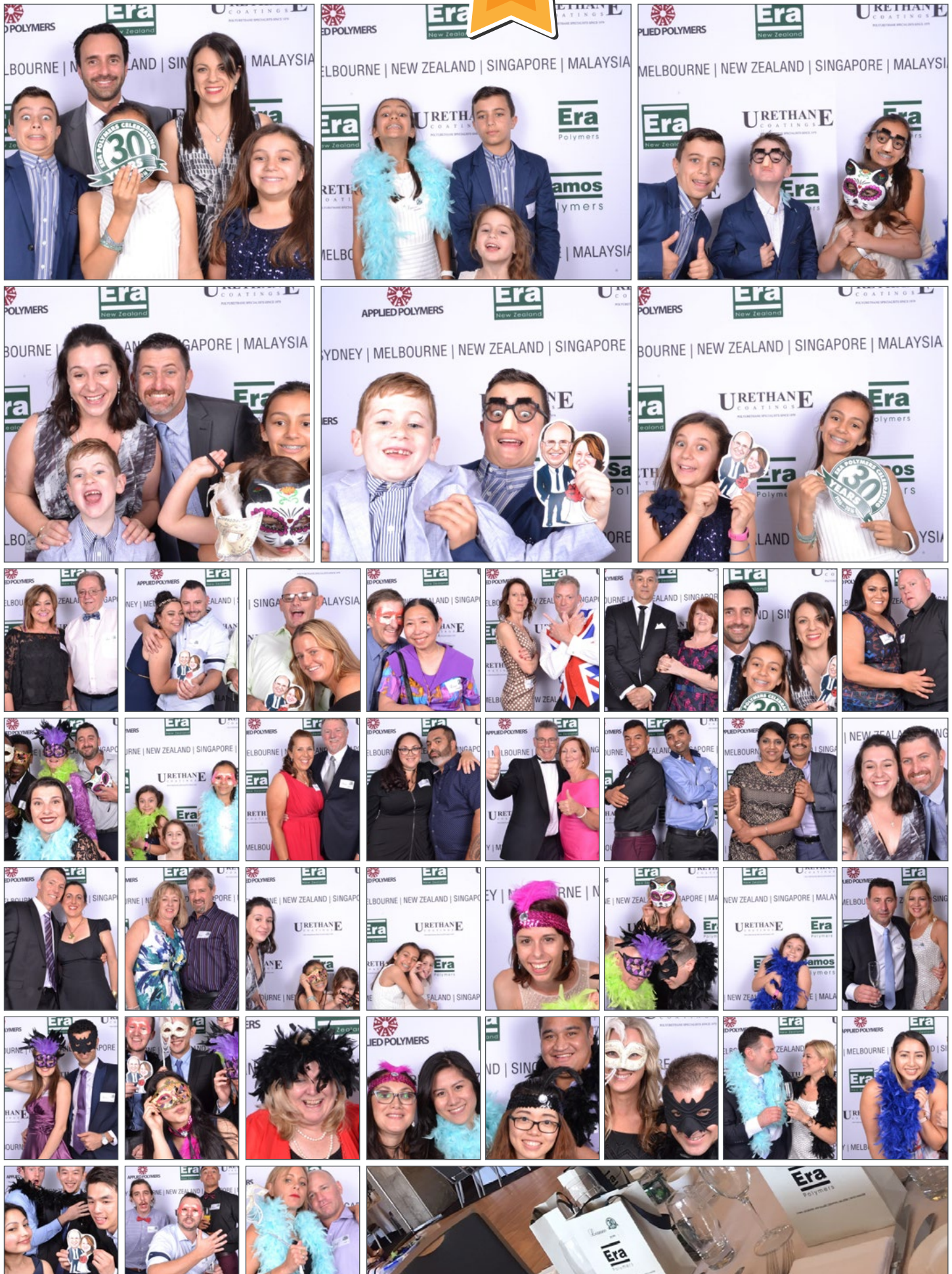
Let's ALL do it again, i.e. dance to THAT same song.

So, Tina and I, get up first ,right ...Then the family quickly follows usAnd then EVERYBODY gets up and dances with us ... and if we do it well enough, we can even play the same songTWICE.

AND THANK YOU ALL... for being a part of our dream .



THE MEDIA WALL



MELBOURNE CUP DAY NOVEMBER 01 2016

On a Tuesday in November,
The first one to be sure,
As the winner flashes past the post,
You'll hear the thousands roar.
For never has there been a race
To catch imagination
Than the race that's run at Flemington
The race that stops the nation!



1st – 17. Almandin*
2nd – 13. Heartbreak City
3rd – 6. Hartnell
Last – 6. Rose of Virginia
* WINNER 30 YEARS AGO IN 1986: AT TALAQ



ERA BABY NEWS

hello to...



Congratulations Alvin & Olivia
BABY: ALLEN KAI
BORN SUNDAY 16TH SEPT 2016
Time: 07:06 am
Weight: 2.96 Kg
Length: 49 cm



Congratulations Michael & Li Fen
14th November 2016
GRANDPARENTS: H.K. MOEY & MARY
Moey and Mary are Grandparents again! We wish them all the best from Era Polymers Worldwide.



Congratulations Nathan & Siobhan
BABY: ELIJAH LEO
BORN WEDNESDAY
Time: 11:23 Pm
Weight: 3.445 Kg





GUNSPRAY TAKE DELIVERY OF NEW TRUCK

Gunspray have invested in a smart new truck for their polyurethane foam business!



The truck is equipped with a Gama spray machine and Era Polymers high quality polyurethane foams.

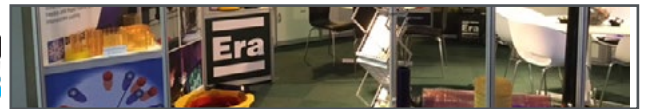
Polyurethane spray foam is an incredibly versatile and effective material, which is widely applied for its insulating properties across a wide range of domestic and commercial uses. Reducing heat transfer, noise transfer and keeping out moisture are some of the uses for expanding foam. It is particularly useful when you are presented with difficult, tight spaces that are hard to access, as the spray gun can inject the foam into these areas with ease and as the foam expands the space is completely filled.

Era Polymers are the exclusive agent for Gama in Australia and New Zealand, supplying the full range of Gama spray equipment and spare parts.



For more information on Era Polymers range of foams or the Gama range of spray equipment please contact: **Era Polymers** on +612 9666-3788 or visit our website www.erapol.com.au

INTERNATIONAL TRADE



12 - 16 SEPTEMBER 2016
Expo Centre Nasrec,
Johannesburg, South Africa

Era Polymers and **Diverse Urethanes** enjoyed showcasing the many polyurethane technologies, including the high performance "Erapol E series" products at this most prestigious trade event. These technologies and products have been used in the global mining industry for over 30 years, to produce wear resistant parts, in a range of hardnesses.



THE ERAPOL E SERIES

The **Erapol E Series** of high performance polyurethane elastomers exhibit excellent physical properties, including good tensile strengths, high resilience and excellent wear characteristics, as well as outstanding hydrolytic stability.

The products have been designed with processing as a high priority, and include low viscosity at processing temperatures.

Applications: The Erapol EHP Series are ideally suited to machine dispensing, especially where large mouldings are required, but can equally be used for hand casting applications.

Typical uses: Mining applications such as screens, pump impellers, pipe linings as well as wheels, rollers, cyclones and other high wear applications.

Products: E83A, E90A, E93A, E95A

EXCITING NEWS!

Era Polymers are proud to announce the release of our new formulation:

Erapol E70A is a 70 Shore A, PTMEG/TDI elastomer that contains **NO PLASTICISER**...call us for more information on **Tel: +612 9666 3788**



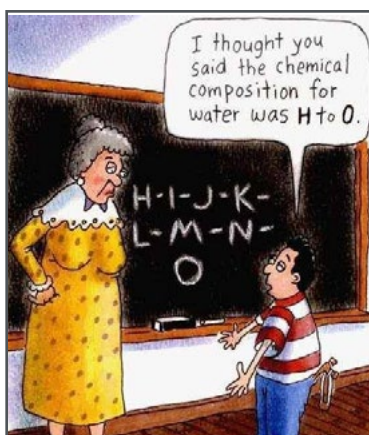
IN OTHER NEWS



Did you hear about the man that got cooled to absolute zero?

He's 0°K now...

This funny brought to you by APTANE® and Era Polymers



CHEMISTREE OH CHEMISTREE!!

So, what other curative can we use??

Trivial Name	Structure	Suggested Chemical Name
Oldmacdenyennol		6-(6-(3-(1-ethyl-1-methylpropyl)-hex-4-ynyl)-4,4-dipropyl-2-prop-2-ynylcyclohex-2-enyl)-4-methyl-cyclohept-2-en-1-ol
Cowenyennol		(2Z, 6-(2,3-diethylcyclopent-2-enyl)-7,7,10,10-tetraethyl-cyclodec-8-en-2,4-diyn-1-ol
Turkenyennol		2-(3,3-diethyl-2,4-divinyl-6,6-diisobutylcycloheptyl)cyclopropanol
Goosenyennol		(2E, 4Z)-13-cyclopropylcyclo-tridec-2,4-dien-8,10-diyn-1-ol
Serpentyennol		(2Z, 2Z)-11-(2-isopropylcyclopentyl) undeca-6,10-dien-4,8-diyn-1-ol
Giraffenyennol		(4Z, 7E)-12-cyclopropyl-3,6,6-triethylodeca-4,7-dien-9,11-diyn-3-ol
Duckyennol		(2Z)-4,4-diisobutyl-3-(4,4-dimethylcyclobut-2-enyl) 2-prop-2-ynyl-2-but-1-en-3-ynylcyclopentanol

REMEMBRANCE DAY 2017

11th hour of the 11th day of the 11th month
 11am - Saturday 11th November 2017
 Remembering 99 years ago...

Every year, on 11 November at 11 am - the eleventh hour of the eleventh day of the eleventh month - we pause to remember those men and women who have died or suffered in all wars, conflicts and peace operations.

Remembrance Day commemorates the end of the hostilities for the Great War, the signing of the armistice, which occurred on 11 November 1918.



AUSTRALIAN WAR MEMORIAL



THE Herald
 ERA POLYMERS NEWS BULLETIN

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Strategic Alliances

