

**Era**

Polymers

**THE Herald**

ERA POLYMERS NEWS BULLETIN



**From all the Era Polymers Family**

Wishing you a very Merry Christmas and a Happy New Year.

We wish you and your families all the very best for Christmas & a safe and happy Holiday Season.

We look forward to working with you all again in 2014

*George & Tina*

INSIDE THIS EDITION # **23**

LESSONS FROM LIFE # 11 CHRISTMAS EDITION ▼

FEATURING: ERASPRAY ESM900 ▼

**Era & Samos Polymers Christmas Closure**  
**All Closing: Fri 20th Dec 2013**  
**Reopen: Mon 6th Jan 2014**  
**NZ & Ariel Reopen: Mon 13th Jan 2014**

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**A YOUNG BOY AND HIS 6 GRANDCHILDREN**

It's interesting on how memories fade, and at times, turn into dreams...then they blur...did something REALLY happen, or was it your mind, playing tricks.

I test all of my grandchildren, every now and again, to see how long they are holding onto to their memories.



**Eraspray ESM900** is a versatile 90 Shore A spray elastomer. Chemically speaking it belongs to a family of products called hybrid urethane coatings as the cured



product contains both polyurethane and polyurea linkages. Era also offers this family of hybrid coatings at 70 Shore A and 80 Shore A hardnesses.

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What I haven't figured out YET, is, what is the trigger? That which makes you hold onto a memory, for a long time!?

George at 10, is starting to hold onto them. The other 5 are still struggling.. For example, three years ago, we went with Alex, Francene, George, Tina and Evie to Greece.. I prod them every now again, to see if they remember, the holiday. So when I ask Evie;

"Do, you remember the time that we went to Samos together?"

"NO Pappou, we went with the OTHER Pappou George, and YiaYia Evie to Samos" — her memories of that holiday at 3, are fading.

So, what are MY oldest memories, AND WHEN did they happen?

For me, it's easy, to remember ABOUT when it happened, because we left Samos in July 1954. So everything BEFORE that, makes me 0 -4.

So what are my memories ?

I've carried THREE into my adulthood

Firstly, I remember cuddling up to my mother, being scared, because I could hear a jackal, outside howling. My parents remembered that one, and told me that I was about THREE, and all five of us were sleeping on the floor in Kamara... and YES, there was a jackal, howling outside.

Secondly, I remember being in a room by myself, in our house in Miltilini. This one, my parents didn't, at first, remember, because, like Kamara, we all slept together, in the kitchen/ family room / TV room / EVERYTHING room. (It was a 2 room house ). The OTHER room, was the lounge room, which was reserved for FORMAL occasions! Years of me telling my mother that I had a strong memory of sleeping in this BIG room, by myself, and FINALLY she remembered that I had the mumps / measles / for a couple of weeks, and I had to be kept in the dark, away from the family, and fed chicken soup. That one, happened when I was about 3 1/2.

Two out of two, for George.

And thirdly, I remember sitting at the edge of a circular field, and a man was

working a horse around, and around, in a circle. And I cried, and cried, because I wanted him to put me in the middle, on something that too, was going round and round. Eventually my crying got me, what I wanted, and he

**"I've kept this for 40 years, because I knew that one day you would return..."**

came and picked me up, and put me on. Then the thing started to go round and round, and I got dizzy, and wanted him to take me off, and he wouldn't, and I cried and cried, until I got my way.

I'm glad to say, by the way, that I stopped crying YEARS ago, to get my way... NOW I just rant and rave...and that is just as effective as any bottom lip quiver!

Anyway, I told THAT story many, many times to my mother and father, and my sisters, over many years, and nobody knew what I was talking about... so I put it down to a "Field Of Dreams" dream. THEN in early 1994, Tina and I went to Samos for the very first time.

And about 8 months after my father, had passed away, I met again, my uncle Michael. And I cried.

Uncle Michael, was a skinnier version of my father. He had the same mischievous grin, the same passion, the same intelligence, the same zest for life. And above all, the same sense of sarcasm. Of being able to see the ridiculous side of life. I'm glad to say, that I have the Papamanuel sarcasm gene, in bucket loads. My intelligence (the hardware), as is God's want, comes from my mother's X chromosome. The personality / software, is all dad's doing.

The first day, we met Uncle in Mitilini. The second day, we met in Kamara. He took me upstairs, and unlocked the door to our one room country house (I'm glad to say, by the way, that I have THOSE keys, hanging in my office). And showed me a piece of wood.

I asked him what it was.

And he said, "I've kept this for 40 years, because I knew that one day you would return, and I would show it to you."

"And what is it uncle ?"

"WELL, do you remember when you were three years old, and you cried, because I wouldn't put you on this!"

My dream, wasn't a dream... I cried.

"And what is it, Theo?"  
It's the cover plate, for the grinding stones... I was grinding wheat that day.

So, I took a photo of 7 year old George, 5 year old Tina, and 3 year old Evie,



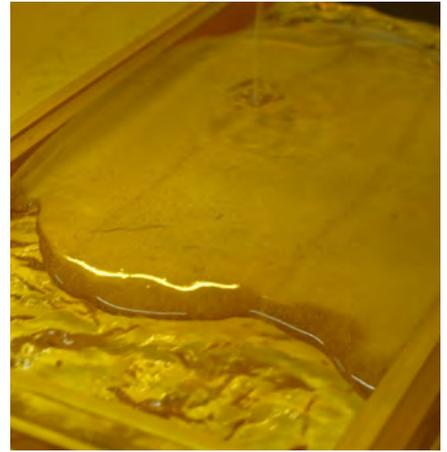
standing on that wooden cover plate.

And this June, I repeated the exercise, with 5 year old Adam, 4 year old George and 2 1/2 year old Joanna.

So, for me, THREE, was the magical time for remembering.

A young boy, became a grandfather, and has carried a dream for nearly 60 years...and I'm blessed that I could show my dream, to my grandchildren.

# OSV Technology adopts Era Polymers Production



## ERA POLYMERS COLD CASTABLE GRADES

**Eracast RT 45A and Eracast RT 70A** are two-component polyurethane elastomers with excellent performance tensile strength, elongation and resistance to chemical attack.

**T**surupinsk, Ukraine - OSV Technology will use **Era Polymers** for its new polyurethane products.

According to the company, the products – gaskets and seals – are not new to the country’s polyurethane industry, though they’ve largely been



imported in the past. OSV spokesman Yuriy Shafran said the company had generally used **Era Polymers** cold castable grades **Eracast RT 45A** and **Eracast RT 70A** for manufacturing gear tape for some industrial applications for clients and as wheel covering for an OSV casting machine for pultrusion. Shafran said **Era Polymers** - specialists in polyurethane chemistry - will provide raw materials for production.

He described **Eracast RT 45A** and **Eracast RT 70A** as two-component polyurethane elastomers with excellent performance tensile strength, elongation and resistance to chemical attack.

## ERASPRAY ESM900 (cont'd from page 1)

The product is very versatile and is used in applications such as major waterproofing projects in the construction industry through to mining applications due to its extremely good wear resistance properties.

It is much liked by the applicator community as it is easy to apply being a low viscosity system hence is readily applied by high pressure plural component spray equipment as well as low pressure equipment utilizing static mixers. Spraying at lower than standard coating pressures allows applicators to control overspray losses much more effectively and apply the material to accurate coating thicknesses even into difficult areas. Good product properties coupled with ease of application lead to happy customers and an extensive number of successful project references. If you have a requirement for an elastomeric spray urethane coating – there is a good chance **Eraspray ESM900** will be the answer to your requirement so please call the Era sales team for further information.

The following photographs depict a typical recent reference:



**1** PONTON SURFACE PREPARATION consisting of 2½ class blast of new steel and repaired steel sections and whip blast of existing paint sections. Substrate washed with solvent after blasting.



**2** BLASTED SUBSTRATE coated with **Erabond 6100FC Red** primer. This is a fast cure priming system with an added anti-corrosive package.



**3** SPRAY APPLICATION to 3mm coating thickness of **Eraspray ESM900 grey** via high pressure impingement mixing equipment.



**4** FINISHED PONTON which will be used to supply fresh water to a coal preparation plant. Job well done!

Pictures supplied courtesy of Mr. Neale Stratton of DGH Engineering, Mackay, Queensland



# CONGRATULATIONS ON YOUR RETIREMENT KAY

After 17 years of loyal service with **Era Polymers**, Kay King decided to retire on the 7<sup>th</sup> November.

Kay will be missed - especially by Tina. Over the years Kay built up an extensive knowledge of **Era's** customers. She was a key member of the **Era** team.

Not only did Kay work in accounts receivable collecting money from all our wonderful customers, she also dealt with consignment stocks, spare parts, processing orders and generally keeping the customers happy!

**We wish Kay & Bob safe journeys and happy times in their retirement**

# MEET THE ERA TEAM



**JOHN EVE**

**General Manager**

We had a bonding session with one of our customers yesterday, and he was complaining about the churn rate of staff, in HIS company, His problem, HE SAID, was that he employs guys from BIG companies, and they bring their BIG company ideas with them, which, more often than not, doesn't fit in with family businesses.

I'm glad to say, that John isn't one of those guys. He hails from Bayer, and has been with us for 3 1/2 years. Please don't misunderstand, Bayer is an excellent partner, they, like most large companies, march to a different drum beat, He, like our previous GM, Brian Hudson, has

fitted in just like a warm glove, into our family business.

He has brought a high degree of professionalism to our company. He has an impish sense of humour. He has a high degree of inbuilt morality.

John can see the funny side of life, and, both of us know, and understand that the company is run by women. So, once you understand THAT, working life, is a ball!



**ALVIN LAUWHARJA**

**IT Specialist.**

Did I ever tell you that PC's weren't invented when I went to University? The only computer on campus was an IBM 360. We got to see it once. It was behind glass walls and guys in white lab coats would fuss over it, all day. I think that my current iPhone has more memory, and can certainly do a LOT more.

Anyway, Alvin and Niki Q, make a formidable team. Making sure that the computers, phones and Blackberries do what they are supposed to do. When mine don't - Who do I call? Alvin. And what does he do, to fix it... I haven't got a clue, 'cause he types too fast... BUT pretty soon... TADA... it's fixed.

Thank you Alvin. He's one of the behind the scenes, secrets, to our success... he makes things work.

NOW, we are trying to get him married.. he'll settle for a good Indonesian girl, or maybe even a good Greek girl!

# PU TECH Eurasia 2013

**PUTech Eurasia 14th – 16th November 2013**

This was the **3<sup>rd</sup> PU Tech Eurasia** and was held in Turkey at the Istanbul Expo Center. Once again Era exhibited together with our **Turkish Agent Makro** and machine specialist Polytec. It was a busy and successful show.



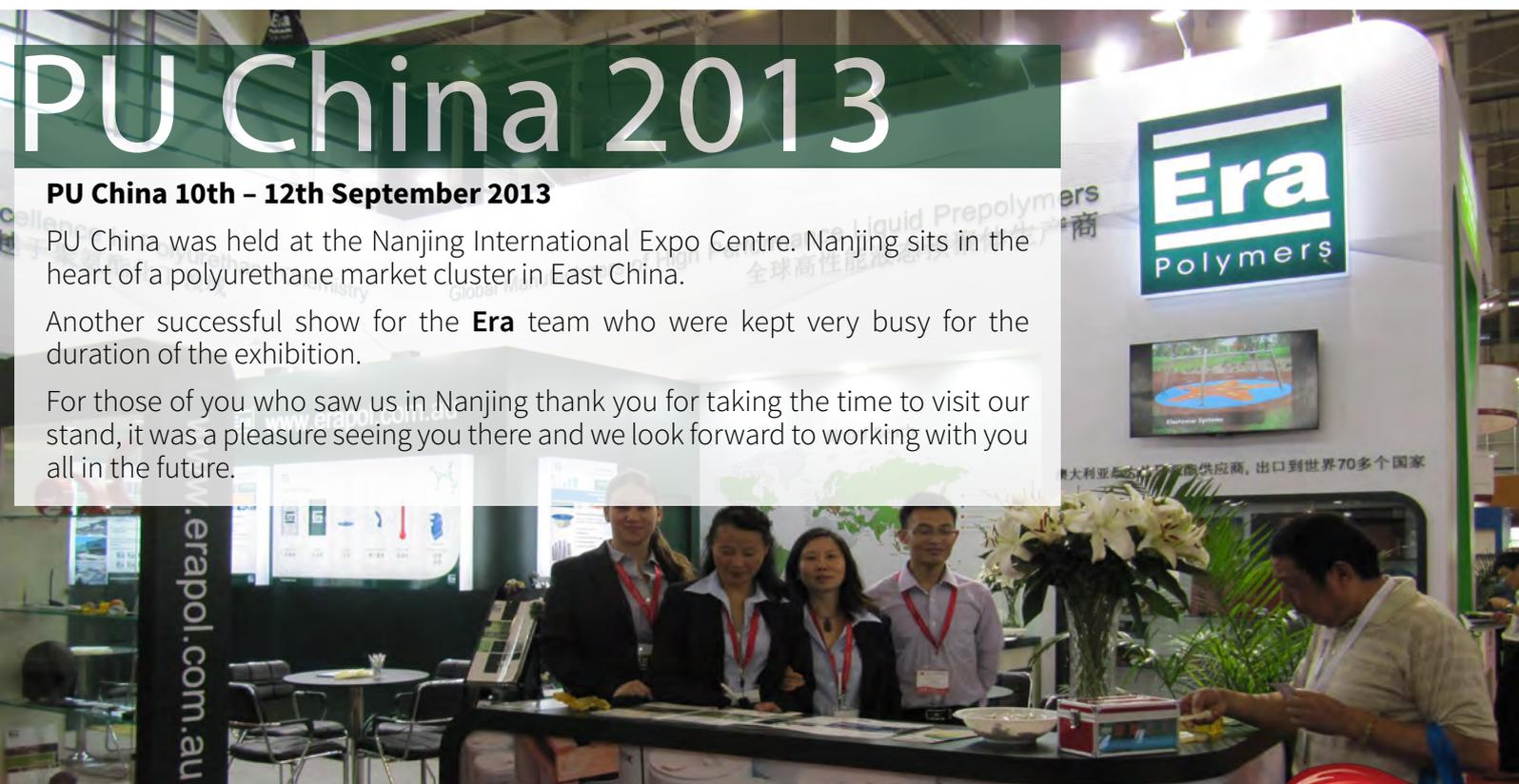
# PU China 2013

**PU China 10th – 12th September 2013**

PU China was held at the Nanjing International Expo Centre. Nanjing sits in the heart of a polyurethane market cluster in East China.

Another successful show for the **Era** team who were kept very busy for the duration of the exhibition.

For those of you who saw us in Nanjing thank you for taking the time to visit our stand, it was a pleasure seeing you there and we look forward to working with you all in the future.



**EXCELLENCE IN  
POLYURETHANE  
CHEMISTRY**

**25-27 Green Street  
Banksmeadow NSW 2019  
AUSTRALIA**



# LEST WE FORGET

## Remembrance Day

This year was the 95th anniversary of the armistice on the 11<sup>th</sup> November which ended the First World War (1914–18).

Each year Australians observe one minute silence at 11 am on 11 November, in memory of those who died or suffered in all wars and armed conflicts.



**“A pessimist sees the difficulty in every opportunity; an optimist sees the opportunity in every difficulty.”**  
*Winston Churchill*



Dating back to 1946, Transworld Trading imports and distributes a range of different synthetic resins sourced from across the globe.

Consisting of four different trading departments namely Plastics, Chemical, Industrial Products and Agrochemical, Transworld efficiently provides and serves the raw material requirements to the various plastics, rubber, agricultural, food and water treatment industries.

Our **Erapol** range of elastomers and ancillary products form part of Transworld’s Chemical department where Jesus Laguito with his team Sonny Domingo and Fred Crisostomo, professionally and

conscientiously distribute our products throughout the region.

We sincerely thank the team at Transworld for their hard work and continuous effort in promoting our materials over the past decade and hope that we continue the success with our trusted partner in the Philippines.



## HAPPY 10<sup>TH</sup> ERA BIRTHDAY DAVE!

The 4<sup>th</sup> of September marked David Weir’s 10th Anniversary with Era Polymers! Congratulations David



### SAMOS ST MARYS - 13 OCTOBER 2013

**BUSH FIRES - WE WERE ONE OF THE LUCKY ONES. OUR THOUGHTS AND PRAYERS WITH THOSE AFFECTED**



# ERA HAPPY SNAPS & EVENTS



## ERA'S CHIEF ELASTOMER CHEMIST GOT MARRIED!

Congratulations to Emilie Degoue (**Era's** Chief Elastomer Chemist) & Enguerran Gillet who got married on 21st September in Moirans, Rhone-Alpes, France. Moirans is 25kms from Grenoble, at the foot of the French Alps.

### BABY NEWS



### ERA CONGRATULATES:



Congratulations Michael & Li Fen

**BABY MOEY JING XUAN**

**BORN 12<sup>TH</sup> SEPTEMBER 2013**

Time: 1851 hrs  
 Weight: 3.07 Kg  
 Length: 50 cm



Congratulations Peter & Danielle

**BABY RUBY RAE**

**BORN 23<sup>RD</sup> OCTOBER 2013**

Time: 0938 hrs  
 Weight: 3.2 Kg  
 Length: 49.5 cm



Congratulations Steve & Elise

**BABY NINA CLAIRE**

**BORN 24<sup>TH</sup> NOVEMBER 2013**

Time: 0152 hrs  
 Weight: 3.275 Kg  
 Length: 54 cm

## MELBOURNE CUP DAY

This year at Era we decided to have a hat competition to celebrate the Melbourne Cup together with our normal Sweep Stake.

The winners of the Hat Competition were:

- 1<sup>st</sup>** Tony Hatzikiriakos - Bottle of Wine
- 2<sup>nd</sup>** Gina Gorman - Movie Tickets
- 3<sup>rd</sup>** Nilton Rose - Movie Tickets
- 4<sup>th</sup>** Deborah Li - DVD

There's too many winners to name those who won in our sweeps but let's just say fun was had by all!

Even Mark Webb joined in with the Hat Competition while on Holiday in Vietnam!



# WHAT'S NEW?

The constant visit of competitors, existing & potential customers that need or require tests from the laboratory has deemed **Era Polymers** laboratories most popular in the scientific community to date. So, what's new?

The new VT02 Visual IR Thermometer bridges the gap between low cost IR thermometers and higher priced thermal imagers and allows **Era Polymers** to see beyond temperature at a price that's affordable for customers.

Now, instead of the laborious task of taking and recording multiple, individual temperature readings, we get the complete picture with a blended visual and thermal image of the target area.

Temperature	
Temperature measurement range	-10 °C to +250 °C (14 °F to 482 °F)
Temperature measurement accuracy	± 2 °C or ± 2 % of reading in °C, whichever is greater (at 25 °C nominal), as tested
General specifications	
Operating temperature	-10 °C to +45 °C (14 °F to 113 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to 140 °F)
Relative humidity	10 % to 90 % non-condensing
Display	2.2 in diagonal
Controls and adjustments	Select color palette User selectable temperature scale (°F/°C) Time/date set Emissivity selection



Pictured here: Jose Diaz of Era Polymers Sydney

## CRYOGENIC FOAM TESTING

Ariel Industries (A division of **Era Polymers** Pty Ltd) has the capability to conduct cryogenic thermal and physical property testing of rigid polyurethane and polyisocyanurate foams.

Thermal conductivity of rigid foams can be measured from above ambient temperature at 40°C, down to cryogenic temperature of -165°C, according to ASTM C518 with the Lasercomp FOX200LT apparatus. Multiple set-points in-between these temperatures can also be measured in a single run, to enable the thermal conductivity vs temperature curve to be plotted and evaluated.

Cryogenic physical properties such as compressive strength, tensile strength and modulus, of both high density and low density foams, can be tested with the Instron 100kN Universal testing machine with attached Environmental Chamber. The 100kN load cell has sufficient capacity to enable the testing of very high density rigid foams at cryogenic temperature, using the specimen sizes required by the typical testing standards specified by clients in the LNG industry.



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