



INSIDE THIS EDITION **#26**

**LESSONS IN LIFE # 13**  
**CHRISTMAS EDITION** ▼

**ERA POLYMERS:**  
**SEASON'S GREETINGS** ▼

**ERA Polymers**  
**2014**  
**HOLIDAY SEASON OPERATING HOURS**  
CLOSE: 23rd DECEMBER 2014  
RE-OPEN : 5th JANUARY 2015

**WE HAVE ALL THE TIME IN THE WORLD**

I have just finished putting together the next episode of our Love Songs CD (TESSERA) ... which is pretty good, considering that it won't be out, for another 12 months.

The second song in this album is by Louis Armstrong, titled "We Have All the Time In The World". My iTunes tells me that I have played it 487 times ... tragic, isn't it!

I'm on a ferry, on Lake Como. It's chilly, My Princess is rugged up .. The Magic, the Mystery, The Grandeur of the Lake and it's villages, is in front of me ... and I can hear this song in my mind. And as one part of my mind sings this song, another part unravels an episode from my youth, as I click away my Canon.



**From the Era Polymers Family**  
Wishing you the joy of family, the gift of friends, and the best of everything in 2015.  
Merry Christmas and a Happy New Year filled with health, happiness and spectacular success.  
*George & Tina*

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**SNEAK PEEK:**  
**APPLIED POLYMERS NEW PREMISES:**  
**MELBOURNE**



LESSONS IN LIFE #13 (Cont'd from pg 1)



I'm 16 years old... and I win a 2 year subscription to TIME MAGAZINE (It's too long ago, to remember HOW / WHY I won the subscription, but I did).

To a kid, from a poor family in Paddington, with NO TV,... where BOOKS , magazines and even newspapers , are to be treasured and DEVoured .. All of a sudden a whole new WORLD opens up to me.. I read it voraciously every week.....I'm alive, the world is alive.

I fell in love with that magazine.. I fell in love with, the "Essay of the Week" .. With the Aussie Art Critic, Robert Hughes... He, like my English High School teacher Edwin Lynn, taught me to love the elegance of well written prose. That, if you could express yourself orally, and verbally, you were not alone in this Universe.

In my 16 year old's mind, the magazine was TOO GOOD, to throw away... so I collected them.



My generation collected stuff, right? Having something to collect, meant that you had enough money to have STUFF (Tina, for example, still has the SPIROGRAPH, that somebody gave her for Christmas, when she was a little girl ..she's even too scared to let her granddaughters play with it, in case they break it !! )

So, my Time Magazine pile grew and grew.

Then I had a silly thought, and keep in mind that I am 16! ..One day, I'll get married, I'll

have a son ... and wouldn't it be nice, for my son, to know what life was like in the '60's and '70's... I mean, MY generation invented "Drugs, sex and rock and roll ". WE went to the moon .WE came close to obliterating humanity with nuclear weapons. We had a "Doomsday Clock" that edged closer, and closer to midnight.

Shouldn't my son know when, and where and HOW, it all started?!

**" WHAT Internet. When I started there were NO computers, no calculators (I still have my Faber Castell Slide Rule!) "**

You're weird George.. Which 16 year old, thinks about a future son, which 16 year old, wants his son, sometime in the future, to taste the Meaning of life , from the '60's and '70's .. WHO, who ??

Me.... I've never denied that I have a weirdness about me!

The problem became, that in our house, we didn't have a lot of space.

So, I thought ... I'll cut up the magazines, and only keep stuff that I really liked.. Neat, huh ..who says that I'm a clutterer !

So, I'd save my pennies, and bought some Scrap Pads, and some Perkins paste glue ... and I "cut and pasted".. (Gee Pappou, I thought that you could only "cut and paste ", on a computer).

Every week, I did that ... and, all the time, thinking about my son, one day to be ... all that I knew about him, was that he was going to be called ALEX.., I knew his name 'Cause that's what Samians do, they name their sons and daughters after their father and mother!

So, I had our son.. And YES, he IS called Alex.

Sometime in his 20's .. I showed him, my pile of Scrap Books.. And said :“ Look what I did when I was 16, Alex, I saved these articles for you “

“No point, dad.. All that stuff is on the internet, now “

WHAT Internet. When I started there were NO computers, no calculators (I still have my Faber Castell Slide Rule!

What internet!! Sons, have a knack, of being able to deflate their fathers ....totally!

So, over the years, with God's blessing, and our hard work, Tina and I , have accumulated stuff... Tina, more than I.. She has a genetic predisposition to collecting stuff.

The stuff that we have collected is starting to scare the kids... Niki has laid claim ,to the Grandfather Clock and occasionally ,sneaks a family photo, when no one is looking.

The Lalique has no future home, the REUGE music boxes, the REUGE music boxes !

Ditto, the Pro Harts, the Lilliputs, the Wedgewood, and all those books, the Encyclopedia Britannica, the Asimovs, the Heinleins, the Doc Smiths... all those things that define, and quantify, TWO lives, living in relative harmony for decades.

So, the kids are starting to get scared about all the stuff that they will inherit..... one day

(AND that's not including the magnificent collection of LLADRO that Francene's mum has been collecting. AND not to mention the BOHEMIA crystal that Shannon's mum has put aside.)

For me, it's payback time, for all those scrap books that have gone mouldy. All that magnificent, unread, Robert Hughes prose .

Let the kids SUFFER, I say!

NEW RELEASE:  
Applied Polymers:  
**LNG Brochure**







**LEADERS IN CRYOGENIC & PIPELINE INSULATION**

**CONTACT US FOR YOUR COPY TODAY.**  
Tel: +612 9666 3788

# Pipe Insulation Foam "Flows" the Distance



GIPS Pipes uses **Era Polymers'** proven **Ecofoam™** insulation foam system, its excellent flow characteristics enable the filling of long lengths of pipe. In conjunction with the high output of the smooth operating Gama G-50 H dispensing machine GIPS pipes can now be filled in a one shot application of **Era Polymers' Ecofoam™** 34Kg/m<sup>3</sup> insulation foam.

As well as its excellent flow properties **Ecofoam™** has great insulation properties, which ensures maximum efficiency in the various end applications of the pipe.

**Ecofoam™** insulated pipes are used for cold water, hot water, refrigeration, brine and liquid food products.

If you would like more information on the wide range of **Ecofoam™** Insulation Foams please contact our National Foam Sales Manager – Rob McLean at [rob@erapol.com.au](mailto:rob@erapol.com.au) .



**Ecofoam™** insulated pipes are used for cold water, hot water, refrigeration, brine and liquid food products.



## APPLIED POLYMERS

Nearly two years ago, we took over a Melbourne based company called Ariel Industries / Applied Polymers. The company had specialised, like us, in the field of polyurethane chemistry, specifically, and primarily in PU foam chemistry...They have been doing this, for more than 40 years !

For these past two years, they have operated from rented facilities in Cheltenham, Victoria. Earlier this year, we purchased premises in 181-187 Ordish Road Dandenong South...

It took us a few months, as it always does, to get the necessary approvals..

It took us a further few months, as it always does, to build a world class facility.. And it only took a few days, for the guys to move in.. Things are still a bit chaotic.. But hey, we're building a "New Rome"

In the upcoming months we will add some more excellent people, and more "stuff". Eventually it will become Era's centre of Excellence, for all things, to do with POLYURETHANE FOAMS .

## Applied Polymers SNEAK PEEK: 181 - 187 ORDISH RD DANDENONG VICTORIA

*(cont'd from page 1)*





GEORGE ZAVRAS

# Urethane Coatings welcomes George Zavras



**Urethane Coatings** are delighted to welcome George Zavras to the UC team in the role of Business Development Manager.

Over the past 18 months **Urethane Coatings** has relocated manufacturing from the Sydney Northern beaches suburb of Brookvale, to Samos Polymers state of the art manufacturing facilities in St Marys, western Sydney. During this time UC has grown as a fully intergraded division of **Era Polymers**, has upgraded packaging, introduced a range of new products and is now perfectly positioned for further growth.

Accordingly George has joined to assist this process and is extremely well suited to the job role, having gained substantial experience as a coatings formulating chemist with Era, followed by almost a year with multinational 3M gaining invaluable commercial experience.

We have no doubt George is going to enjoy the ride and is poised to make a fantastic contribution.

**Email:**  
george@urethanecoatings.com.au

**Mobile:** 0411 407 012

## MEET THE ERA TEAM



(L TO R) LOUISE LOGAN, WENDY CHARLIE & MARIA STEVIS

### ERA POLYMERS - EXPORT DEPARTMENT

One of the many “catch phrases “ we use is “ Excellence In Polyurethane Chemistry”, and one of the phrases that I use a lot (internally that is) , is that we are only as good, as the people we employ ... and damn it, we employ a lot of very good people.

Take for example ,our Export Department .. Very capably managed by LOUISE LOGAN.. And also very ably assisted , by MARIA STEVIS and WENDY CHARLIE.

When we planned the move to our new premises at 2-4 Green St... I wanted, for the very first time, to have the three ladies together... and “Da da” here they are downstairs, away from everybody.. Weaving their daily magic, is shipping “lotsa” stuff, around the world.

And the VERY good news, is that BOTH Louise and Wendy are pregnant !



MARK WEBB

### COATINGS BUSINESS MANAGER URETHANE COATINGS DIVISION

One of my comments to our Sales people, is that, studies show ,that you have about 10-15 seconds to make a good FIRST impression ,at your ,very first, meeting . Yes, the mind works, that fast . Me, I've got it down, to about 7 seconds... that doesn't mean that I'm better ... it's just that I know which people I like ,pretty well instantaneously ( With my child bride,by the way, it only took me 2 seconds.. And that was 39 years ago, on the 29th November !).

So, Mark was definitely a «7 second», job . Mark wanted to sell his business, we wanted to buy.. And it took us a bit of time, to do the deal... We did the deal that we are both happy about..... now he, and his business, are a part of the Era family..

I watch, and listen to Mark ,in action... I watch how his mind works.. How he works out his next move.. Three moves ,before he has to.

My 7 second assessment is still intact . I've got another 7 second guy, as his Business Development Manager.. George Zavras .. they are a formidable team.

Mark, is married to Jenny. And like all excellent wives, she helps make Mark, Mark. He also has three excellent children, who we haven't met. Alyse ,who is 26 ( I think that she lives in Canada ). Liam who is 24 and the “baby” Alex, who is 18. Lotsa grandkids to follow .



NICOLA FRENCH



MARICA GUBENKO



ALEX PAPAMANUEL



MICHELLE TIKA



LINDA LIU



JOHN EVE



VANESSA SWIFT



GINA GORMAN



# MELBOURNE CUP 2014



KAYE CROOKSTON & JULIA ZHU



ANNE BELL

2014 HAT COMPETITION WINNER

# EXCELLENCE IN POLYURETHANE CHEMISTRY

2 - 4 Green Street  
Banksmeadow NSW 2019  
AUSTRALIA



## www.erapol.com.au



## “TRADITIONAL INSULATION DOES NOT HOLD UP”

# The Evolution of Insulation



by Vanessa Swift - Era Polymers

ICynene® is a 100% water-blown, expanding spray foam product that insulates and air seals your home at the same time. It can be used in underfloors, walls, ceilings and by filling the cavity it creates a continuous air barrier.

**TRADITIONAL INSULATION CAN SAG OR SETTLE WITH TIME. ICYNENE IS MORE THAN INSULATION.**

Ideal for home owners, ICynene® creates a healthier indoor environment, minimises air leakage which in turn leads to increased energy efficiency, reduces airborne sounds and offers greater design freedom. ICynene® is the perfect insulation fit for walls, roofs, ceilings and floors.

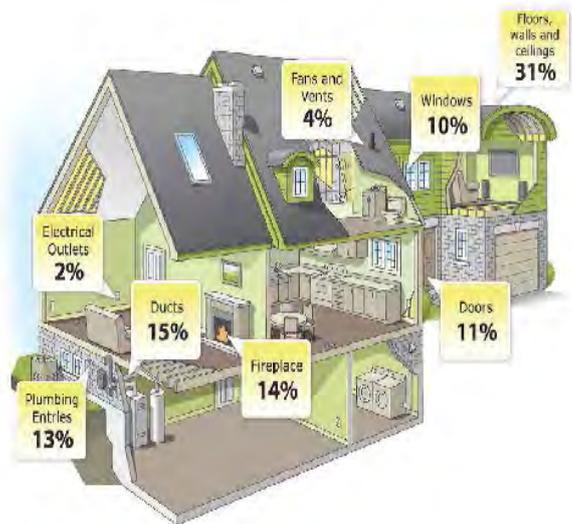
As an air barrier, ICynene® minimises the intrusion of outdoor allergens, odours and pollutants and works with proper mechanical ventilation to let occupants control the quality of air they breathe.

With ICynene® insulating your home, you can achieve potential energy savings of up to 50% every month versus traditional insulation.

ICynene® is a product that must be professionally installed by an approved ICynene® applicator.

For details and further information contact:

**Vanessa Swift**  
**Email:** [vanessa@erapol.com.au](mailto:vanessa@erapol.com.au)  
**Mobile:** 0412 534 490



## FEIPUR: 11-13 NOVEMBER 2014

The South American Exhibition and Congress on Composites, Polyurethane and Engineering Plastics in São Paulo, SP, Brazil.

**Tony Hatzikiriakos** and **John Diaz** from **Era Polymers** recently attended the 8th FEIPUR Show with our Brazilian agent Univar who were exhibiting at the show. Feipur 2014 proved to be another busy and successful show meeting both current and new customers. While at the show Tony presented a paper on **Era Polymers Elastomeric Spray Systems** including:

- What are Sprayable Elastomers?
- Different types and the developments in Elastomeric Spray Systems
- Elastomeric Spray projects and case histories

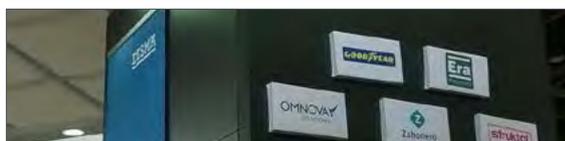
Tony's presentation created lots of interest and was well attended by delegates visiting Feipur.



## PARABOR, COLUMBIA

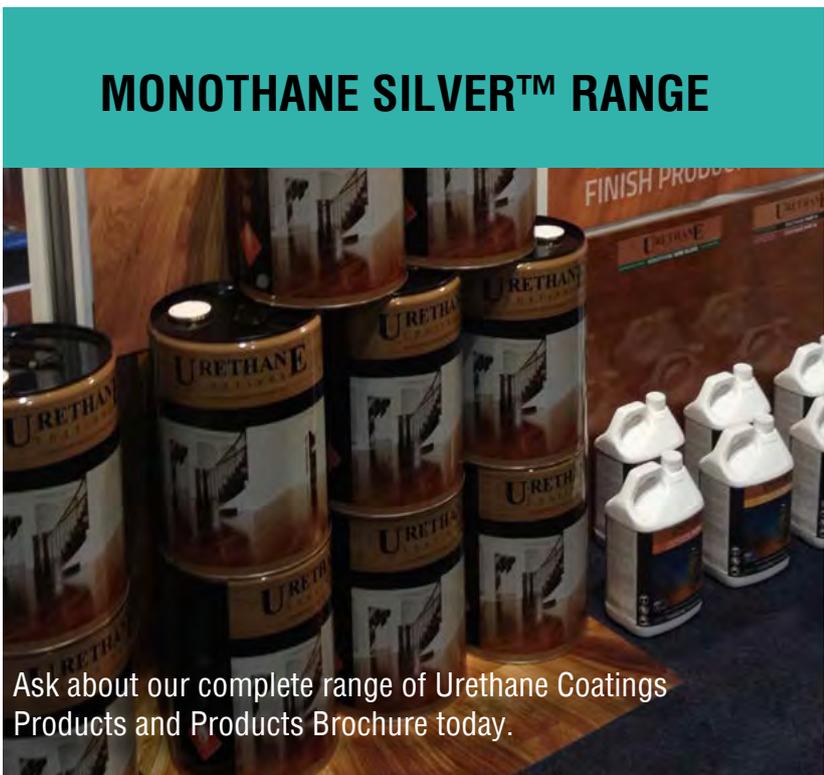
Parabor represent **Era Polymers** at Colombia Plast in Bogota, 29<sup>th</sup> September – 3<sup>rd</sup> October 2014

Parabor, Era Polymers agent in Columbia had a successful show meeting with current customers as well as making new contacts.



2014 exhibitions

# WHAT'S NEW: URETHANE COATINGS PRODUCT LAUNCH



## From the tried and true Monothane DNA lineage, Clear, Moisture Cure Polyurethane:

- ▶ Easy to apply
- ▶ Excellent flow and self-levelling
- ▶ Single pack, all in 20-Litre drums
- ▶ Durable

➤ **A superior, economical and excellent alternative to lower cost, imported, home brand or second tier floor coatings products**

All with QR codes providing easy access to **Urethane Coatings** web site for TDS & SDS Application; Interior flooring (including all species of timber, parquetry, cork and particle board).

Fully compatible with **Urethane Coatings** polyurethane products and additives.



Drying (25°C & 50% R.H): One hour.  
 Recoat (25°C & 50% R.H): 1.5 to 2.0 hours.  
 Coverage; Softwoods & Particle board 8m<sup>2</sup> - 10m<sup>2</sup> per Litre. Hardwoods 10m<sup>2</sup> - 12m<sup>2</sup> per Litre.  
 Sanding; Not required providing faster recoat, however if surface imperfections or excessively raised grain requires sanding, Silverseal offers excellent sanding.



High Gloss Moisture Cure Polyurethane  
 Drying (25°C & 50% R.H): Tack free 3 hours; Hard dry 5.5 Hours.  
 Recoat (25°C & 50% R.H): 5.5 hours.  
 Coverage; Unsealed Softwoods & Particle board 7m<sup>2</sup> - 9m<sup>2</sup> per Litre. Hardwoods 9m<sup>2</sup> - 10m<sup>2</sup> per Litre.  
 Sealed substrate and/or Subsequent coats 10m<sup>2</sup> per Litre.  
 Sanding (25°C & 50% R.H): 5.5 hours, typically overnight.  
 Light Foot Traffic (25°C & 50% R.H): 24 Hours.  
 Full Cure; 7-10 days.



Reduced Sheen Moisture Cure Polyurethane  
 Drying (25°C & 50% R.H): Tack free 3.25 hours; Hard dry 6.0 Hours.  
 Recoat (25°C & 50% R.H): If required 6.0 hours, unlike Polycure, it is totally compatible to recoat Monothane reduced sheen products without the need for an intermediate gloss coat.  
 Coverage; Sealed substrate and/or Subsequent coats 10m<sup>2</sup> per Litre.  
 Sanding (25°C & 50% R.H): 6.0 hours, typically overnight.  
 Light Foot Traffic (25°C & 50% R.H): 24 Hours.  
 Full Cure: 7-10 days.

For further information on our range of products and how you can order, please contact:

**Mark Webb**  
 Email: mark@urethanecoatings.com.au

**George Zavras**  
 Email: george@urethanecoatings.com.au

**Mobile:** 0412 818 817

**Mobile:** 0411 407 012

## IT WAS NICE HAVING CARLES FROM GAMA VISIT US!

**Era Polymers** are the exclusive agents for GAMA in Australia & New Zealand supplying the full range of GAMA Spray equipment and spare parts to this region.

GAMA is located in Barcelona (Spain), and focus on the design and manufacture of equipment and accessories for the dispensing of polyurethane foam, elastomers, polyureas and epoxy coatings.

### EasySpray Hydraulic

Portable for small jobs in place  
**Foam & Polyurea**



Two options:  
- With Recirculation Hoses (max 10.5m)  
- With 240Vac heated hoses (max 15m)  
\* If you need more length you should use our standard hose heated hose with transformer

**4kg/min**

3.6 kw Heating  
#4 5 pump

**Total power consumption**  
Phase 1; 1.8kw electro motor  
Phase 2; 3.6kw heaters  
**Total power consumption with hose heating**  
Phase 1; 3.0kw electro motor + hose heating  
Phase 2; 3.6kw heaters

**Era Polymers** are proud to distribute the **GAMA** range of spray machines, and in late November we were fortunate enough to have the Managing Director of GAMA, Mr Carles Royo Quelart, visit our Sydney offices. Carles gave an in-depth presentation into the company, its background, and spoke about all the interesting applications they have been involved in around the world, including the Maracana Stadium in Brazil for the Football World Cup and Rio Olympic Games.

We also learnt about their newest machine development, the EasySpray Hydraulic, which is a small machine with two big advantages: hydraulic pumps ensuring a more consistent spray pattern, and the option of heated hoses.

Please contact our machine manager for any assistance regarding the GAMA machine range:

**Hugh Fraser**  
**Email:** hugh@erapol.com.au  
**Mobile:** 0423 551 304



## GHS (Globally Harmonised System) by John Diaz, Era Polymers

GHS (Globally Harmonised System) A uniform system for transporting hazardous Chemicals Worldwide.

The Globally Harmonised System of Classification and Labelling of Chemicals

(GHS) developed by the United Nations, has been introduced as a way of uniformly naming and labelling chemicals with their hazards worldwide. It should be noted this system is optional for countries to adopt, many countries have chosen to implement this through legislation in their relevant country.

The GHS continues to be integrated into chemical manufacturing and trade processes in Australia over the period January 2012 to December 2016. This is a huge task for all chemical companies involved to ensure that all their labels meet the new requirements this is why it is being phased in over several years.

Once in place this system will be much better for all involved.

**Era Polymers** has already started using GHS in countries where it has been adopted, is customer requested or is mandatory. We continue to work on unrolling the new system for every country where GHS has been implemented and has a transition period. This includes Australia where we will have all our products reclassified to the Globally Harmonised System by December 2016 as required by the Work Health Safety Laws in Australia. A Brief outline of The GHS System:

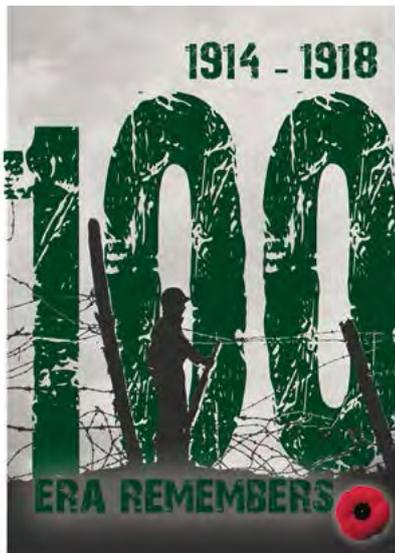
- ▶ A harmonised system for chemical hazard classification worldwide
- ▶ The labelling & safety data sheet requirements for GHS enhance the protection of human health and the environment from hazardous chemicals.

- ▶ The GHS provides a uniform way of classifying hazardous chemicals worldwide it makes it easier and safer for the user and handling companies to identify these products/risks whatever the country of origin.

For more information please contact:

**John Diaz**  
**Email:** john@erapol.com.au





## Remembrance Day

In August 2014 the world marked the 100<sup>th</sup> anniversary of the outbreak of the First World War.

Why should we remember? Why should we stop and think about those events that happened so long ago?

By the end of the First World War there were very few people in the countries that took part who remained unaffected.

The war reached out and touched almost everyone's life in some way or other.

Children grew up in the shadow of battle, their fathers absent or lost. Women became directly involved, picking up the pieces of industry and agriculture as the men went off to fight. By 1918, they too could join the army and serve their country.

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.



## John Diaz Got Married!

**Congratulations John & Courtney!**

**Date:** 12th October 2014

**Venue:** Carrington Hotel, Katoomba



# MELBOURNE CUP DAY

Following the success from last year, it was hat competition time again to celebrate the Melbourne Cup together with our normal Sweep Stake. And the winner is.....Anne Bell (Head Office - Receptionist)

The winning horses for Melbourne Cup 2014:

- 1<sup>st</sup>** - Protectionist
- 2<sup>nd</sup>** - Red Cadeaux
- 3<sup>rd</sup>** - Who Shot Thebarman
- LAST** - Admire Rakti



## Alvin Lawuharja Got Married!

**Congratulations Alvin & Olivia!**

**Date:** 23rd May 2014

Reception to be held 10th December 2014 in Bandung, Indonesia



# ERA HAPPY SNAPS & EVENTS

## ERA POLYMERS - CHRISTMAS PARTY 29<sup>TH</sup> NOV 2014





# WHAT'S NEWS?



**A Perfect Solution** for Small to Midsize Production of 2 or 3 Component Materials  
**Polytec's DG 132/DG 133.**

**Era Polymers** continue to be the Machinery Agents for Polytec EMC, specialists in casting machines using low pressure mixing technology, in Australia and New Zealand.

The Polytec DG 132/DG 133 are 2 or 3 component dosing, mixing and casting machines manufactured in Austria to exacting standards.

These machines have a standardised configuration for all 2 or 3 component reactive systems such as TDI/MDI/Mboca. They have colour dosing options (Up to 2 colour additives can be injected at the mixing head) and vacuum pumps for degassing characterise the Polytec DG 132/DG 133 as flexible production machines. The component tanks and hoses are electrically heated and

allow for temperatures of up to 130°C

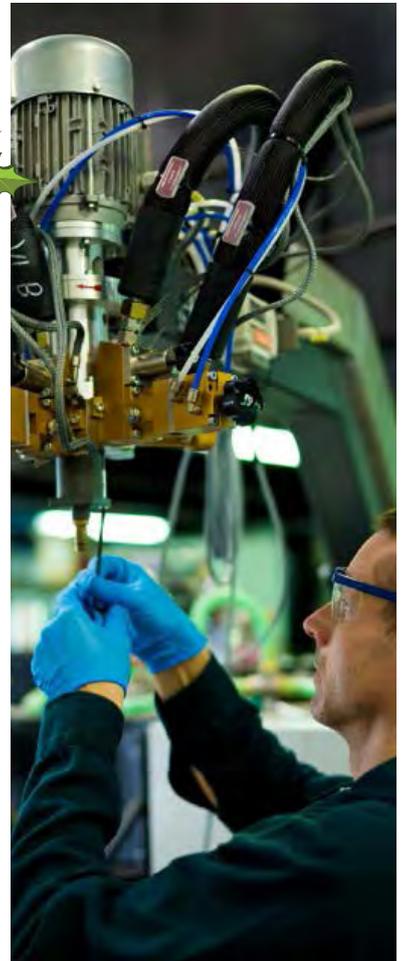
An optional 3rd component module can easily be fitted to the standard 2 component machine to allow the processing of 3 component systems. With outputs of 100 – 6000g/min and a tank size of 34 – 100L the Polytec DG 132/DG 133 provides both efficiency and quality. Other optional features include Volumetric Mass Flow and On-Line Service Modem.

If you would like more information on the Polytec DG 132/DG 133 or a demonstration to see this machine in action please contact the following:

**Hugh Fraser, Era's Machine Specialist**

**Email:** hugh@erapol.com.au

He will be happy to organise this for you.



ERA POLYMERS - ELASTOMER LABORATORY

## STUFF FROM THE LAB

Some, of you may know, a lot of you, may not, that Emile and her team have been weaving some magic, in producing a very unique, NEW generation, of LOWER FREE TDI prepolymers. In fact it is still work in progress. The range is constantly being expanded, and fine tuned, as we speak.

ONE of these new grades is codenamed **L-ETX75D.**

It's unique characteristics include:

- Low free TDI reduces workers exposure
- Long potlife (3-5 minutes)
- High Hardness (75 Shore D)

- Reduced thermoplastic properties, means high hardness at high temperatures
- Fast demould time (10 minutes)

The feedback from customers who have trialled it, is very positive, and we are now rolling it out, across the world.

As we move more and more to "L" chemistry, the prices will stay the same, compared to our traditional grades / chemistry.

So we are able to offer you a better mousetrap, at the same price.... And THAT's progress!



**THE Herald**  
ERA POLYMERS NEWS BULLETIN

Editors: Marketing Department  
Nicola French | Victoria Zavras

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Banksmeadow NSW 2019  
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