



# FRONTLINE

## WINTER UPDATE

The start of winter coincided with a flurry of activity here at ARDEX New Zealand headquarters in Christchurch. After 3 years of Research and Development, our new waterproofing products were ready to launch.

Thank you to all of our customers and associates who supported ARDEX by attending the launch. The week was very successful with over 150 people from 34 companies signing up for training on the 3 new products. During the launch week the first companies to purchase a GRACO 390 Air Assisted Sprayer were offered a chance to win back their purchase price. Due to the demand for sprayers, the offer was extended to include ALL sprayers ordered during the launch. Congratulations to METAL ROOFING of Auckland on being the winner! The competition was drawn by Mark Ogle of WA Strouds, New Zealand distributors for GRACO sprayers.

May 1st was the first year anniversary of our processing system SAP. We are now launching MRP (Material Resource Planning) which aids us in improving production planning, sales forecasting, product delivery and customer service. These systems will enhance the performance of both our production facilities and the level of service we can offer our customers.

ARDEX Auckland is moving back into the city! As of June 14th, our Auckland branch will be operating from a new location, 12 Fairfax Ave in Penrose. Further info will follow soon.

Thank you for your continued support. If you would like to sign up for product training, please email Wendy: [wendy.shepherd@ardexnz.com](mailto:wendy.shepherd@ardexnz.com).

Regards,

Xiaoyan Sugeng

General Manager, ARDEX NZ Ltd

## Product Launch - It's Easy Being Green!



Product Trainer Lyn Scott demonstrates how to use the hand held hot air Leister for TPO detailing.



Southern Region Manager, Ronald Rose, fielding questions from an inquisitive audience in Wellington.

ARDEX New Zealand Ltd successfully launched three new products to building industry audiences in Auckland, Wellington and Christchurch in the first week of May. The launch of Eco Butynol® and Undertile Butynol® marked the first major product variations from ARDEX that the roofing and waterproofing markets have seen for 30 years.

The ARDEX New Zealand 'It's Easy Being Green' product launch combined two Butynol® based products (Eco Butynol® and Undertile Butynol®) as well as a TPO roofing membrane. All three products use solvent free adhesives and promote environmentally friendly waterproofing for tiling and roofing applications. Using solvent free adhesives reduces the risk of potentially harmful adhesives traditionally used in roofing and waterproofing. This makes the product better for the applicator's health, less harmful to the environment and safer to use on a building site. Many building projects both here and overseas now do not allow dangerous goods and so the emerging international trend is for solvent free products.

A huge thank you to all the applicators, architects and industry associates that attended the launches and helped make them such a success. We look forward to your continued support for these new products!

See the following page of this newsletter for further info on the products, or contact your local ARDEX rep for more details.



Some of the team at the Auckland Launch. Back row: Mark Rayner, Michael Hill of Michael Hill Roofing, Mark Ogle of WA Strouds, Kevin Jackson and Dave Stephenson. Front row: Lyn Scott, Wendy Shepherd and Shaun Armstrong.



ARDEX New Zealand Limited

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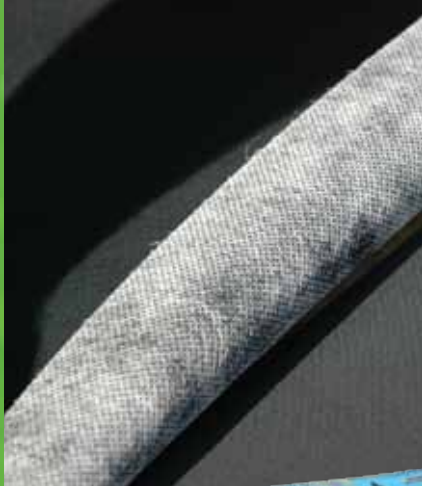
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ECO BUTYNOL®



ECO BUTYNOL® is a solvent free waterproofing membrane system. The sheet membrane is a fibre-backed version of standard Butynol®. The fibre ensures the solvent free adhesive grabs onto the membrane and creates a firm hold. Applied with a specially modified GRACO 390 Air Assisted Sprayer, installation is faster than with traditional Butynol®. The process can be sped up with the application of ARDEX WPM 09C Catalyst (also solvent free) which enhances the adhesion process.

The solvent free adhesive system used has no harmful fumes or potential side effects. Be assured that ARDEX WPM 09A is environmentally friendly and non-polluting. This is a requirement on some building projects now!

Application is quick and easy with the unique GRACO sprayer and excellent coverage makes this system very cost-effective. In variable conditions, performance of the adhesive is enhanced by the use of a catalyst, ARDEX WPM 09C.



# FAST

Begin tiling 60mins after installation

# CONSISTENT

0.5mm gauge waterproofing throughout

# EASY TO INSTALL

Foolproof system, heat weld laps and corners

gauge. This system can also fast track installation as there is no need to wait for liquids to dry – simply apply the solvent free adhesive and then the membrane (like wallpaper). Tiling can begin 60 minutes after the membrane is installed. No need to wait!

This product has a fleece on both sides of the fabric yet it still contains all the strength and waterproofing capabilities of standard Butynol®. The laps of the membrane can be heat-welded using a Leister Hot Air Gun. This ensures a standard thickness and that all the laps are securely joined, creating a fail-safe waterproofed area.

ARDEX have also launched a Membrane Clamp Waste that is specifically designed to be clamped into the shower base with Undertile Butynol®.



UNDERTILE BUTYNOL®

Undertile Butynol® is a sheet membrane system that is used for waterproofing tiled areas such as showers and bathrooms. Compared with liquid waterproofing membranes, ARDEX Undertile Butynol® gives a thin and consistent waterproofing

TPO roofing membranes are a factored product supplied by Firestone in the United States. TPO is an environmentally friendly and energy efficient roofing membrane that is mostly used for large industrial projects or green roof applications. In the United States, TPO membranes have captured a huge market for commercial roofing. It is expected to have a strong impact on the roofing markets in both Australia and New Zealand, offering an alternative to Butynol® because it is cost-effective to install for large commercial projects. Available in grey and white, TPO is a light coloured roofing membrane which combines aesthetics with strong resistance to ultra-violet radiation, weathering, and outstanding seam strength. The laps of TPO membranes are also heat welded using a robotic CARR Leister or a handheld hot air gun. Speak to your local ARDEX rep for more information!

TPO MEMBRANES



Sign up for training!

## HONG KONG MARKET INTERESTED IN SOLVENT FREE ADHESIVES

Earlier this year, Kelvin Chan and Jacky Ho (pictured below) from ARDEX Hong Kong came to learn about waterproofing products from ARDEX New Zealand Ltd.

They were extremely interested in the solvent free range of products including Eco Butynol® and TPO. Local building regulations are about to change in Hong Kong and adhesives containing solvents will not be allowed on site. ARDEX New Zealand Ltd sees huge potential for these new products on the international market. Exporting is likely to begin later this year.



Kelvin & Jacky after we took them to Action Kart Raceway!

## CASE STUDY

### WELLINGTON'S ICONIC PIPITEA PLAZA TO USE PANDOMO PRODUCTS

Pipitea Plaza is a new Government office development in the heart of Wellington's Thorndon precinct. Building started in mid 2008 and is due to be completed by October 2010. The building will have seven levels of offices plus ground retail and basement areas, totalling a gross floor area of over 17,000 square metres.

ARDEX PANDOMO Floor in dark grey will be used in the atrium, approximately 375m<sup>2</sup>. A dark grey with black chip PANDOMO Terrazzo Micro will be the flooring in the elevator lobbies, approximately 70m<sup>2</sup>. The interior fitout has been designed by Patrick and Kirsten at Planet Design.

The building, designed by Athfield Architects, will be fully leased to the Government Communications Security Bureau. It is an environmentally sustainable building that complies to 5 star green design standards due to the use of sustainable materials and rainwater recycling.

Look out for further developments on this project in editions of Frontline later this year.

## CASE STUDY



The completed tiled floors of the Centre City Mall in New Plymouth

## ARDEX DECOUPLING MAT USED FOR RE-TILING THE NEW PLYMOUTH CENTRE CITY MALL

The ARDEX Decoupling Mat is currently being trialed in commercial projects. It is an inert membrane based decoupling system for floating floor tile application. ARDEX Decoupling Mat provides a hard wearing floor surface which has a moisture proof strong rubber underlay which isolates the top tile or stone layer from the substrate.

The ground floor of the Centre City Mall in New Plymouth comprises approximately 2000m<sup>2</sup> of Architectural Terrazite (Epoxy Composite poured floor). The total floor was ground with 40grit carborundum then primed using Hydrexpoxy 300 with silica sand added to provide a key for the K12 Levelling Compound which followed.

All existing movement/control joints were eliminated using the ARDEX Decoupling Mat and new ones formed. This was to allow the tilers to set up a new pattern as the current joints would have compromised the 'set out' of the

new tiles being installed.

The new tile pattern lines were lasered in and the existing movement joints pegged in, so that the ARDEX Decoupling Mat could be laid exactly over these just prior to the tiles being laid.

ARDEX AF 142 was used on one side of the existing joint to tack the Decoupling Mat on and the other side was left free as a slip joint then fixed with the tile adhesive as they were being laid.

The slip sheet side of the Decoupling Mat was always the shortest side of the tile when placed over the joint.

Approximately 800 lineal metres of ARDEX Decoupling Mat was used in this fashion and since October last year all aspects of the project have proved most satisfactory with nil cracks to date.

The tiling crew was provided by Warren Barnes (10 people) with an outstanding installation process and an excellent finished result.



The ARDEX Decoupling Mat is the grey strip to the right of the tiles, clearly visible during installation

## CASE STUDY



### WPM 189 SHELTERBIT DUO - NEW COLOURS

The first roof completed in Grey/Green/White torch-on Shelterbit Duo was laid by the team at JPS Roofing on Whitewash Head, Christchurch earlier this year.

The combination of the flexible SBS and the strength of the APP makes this product ideally suited to installation in hot and cold climates. The underside of the membrane (SBS) has good flexibility at low temperatures

and is easy to install, while the top of the membrane (APP) has the strength of the atactic polypropylene.

The external surface is protected by ceramic micro granules, reducing the temperature of the exposed surfaces. This slows down the ageing process of the whole waterproofing system.



### WINNING GARDEN AT ELLERSLIE USES ARDEX BUTYNOL

Winner of a Silver Distinction Award at The Ellerslie Flower Show, the Incredible Edibles® display by Sandi Macrae and Lindsay Robinson impressed crowds with the variety of edible delights that were found in their 'room for outdoor living'. The garden presented a range of fruiting plants, as well as a pond lined with ARDEX Butynol® that featured watercress.

The Ellerslie Flower Show was held in Christchurch's Hagley Park from the 9th to the 13th March. The annual gardening and lifestyle event attracts a global audience of garden designers, garden lovers and international media, championing the best of garden design, garden trends and new products. Most importantly, the Ellerslie International Flower Show provides the horticultural, floral, landscape design and construction industry with the opportunity to showcase to the world the best of what New Zealand has to offer. ARDEX is proud to have had a part in this too!



## TRAINER TIPS with Lyn Scott

### RAINY DAY IDEAS

After a very successful launch of 3 new products I will be meeting up with many of you soon for training. The solvent free adhesive is working very well and we are getting excellent coverage. Substrate specification remains the same and most of the detailing has not changed.

The winter is upon us so utilise some of those wet days to service your tools. Sharpen your scissors, clean your airless sprayer and tidy out the vans so you are all set again for the next fine day. If you have measurements, this is a good chance to pre-cut internal gutters. You could also make up pipe over-flashings out of off-cuts. All of these small jobs will save you time back out on the roof.

#### CLEANING YOUR AIRLESS SPRAYER

Run some solvent through the pump and hose without the tip on until you are satisfied the hose is clean. Unscrew the cover of the pump filter and soak the filter in solvent. Clean down the rest of the sprayer. I spray on lots of CRC or WD40 over the entire sprayer which takes off dirt and adhesive. Reassemble the filter and tighten the cover (hand tight only). Fill the wet cup at the top of the shaft with throat gland oil. This helps get rid of dirt and grit that can damage the shaft. If the shaft becomes scored this will cut the gland and the pump will leak in this area.

I look forward to meeting up with some of you soon for product training. Here's hoping the winter is not too long!

Lyn Scott, ARDEX Product Trainer



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