

The newsletter of  
**ACO Polycrete Pty Ltd**

## ACO LAUNCHES DEFINITIVE LINE DRAINAGE HANDBOOK

**ACO Polycrete**, the Australian manufacturing division of the world's largest surface drainage products manufacturer, has enlarged the award winning **ACO DRAIN** range of products.

Detailing the enlarged range of **ACO DRAIN** modular polymer concrete channel drainage systems, as well as applications loadings, hydraulic data and installation instructions, a brand new 36 page, full colour, A4 size product catalogue has been produced.

The new range is split into four different categories determined by application. Those four categories are K channel system - available in three different widths with twelve different grating combinations for general purpose and aesthetic locations, the S channel system - available in three different widths with fully secured 90 tonne loading gratings for heavy duty applications and the Q channel system - a modular one piece polymer concrete drain system available in two widths with the grating being an integral part of the channel specifically designed for roads. The fourth category of products in the catalogue detail the long established 'Polycrete' polymer concrete drainage sumps which can be used individually or as part of a complete

line drainage system.

The new category covers all types of application both internal or external, from pedestrian only areas up to and including airport runways. The channel drain principle is expounded as are the advantages of polymer concrete, including its excellent

mechanical and chemical resistance properties.

The new **ACO DRAIN** catalogue provides specifiers and installers with the most comprehensive guide available to Australian made surface drainage systems.



## NEW INVESTMENTS AT ACO POLYCRETE

The continued acceptance of **ACO's 'Polycrete'** polymer concrete drainage system, electrical pits and chemical containment systems, has allowed **ACO** to raise their level of investment in capital equipment and tooling for the Australian,

*"The strength of Australian manufacture and service will allow ACO to expand its export success."*

New Zealand and South East Asian markets. The strength of Australian manufacturing and service, coupled with the installation of a new 'Polycrete' polymer concrete plant in 1998, will enable **ACO Polycrete** to expand its business activities overseas. Over the last year significant export success has been achieved due to the improved quality and manufacturing processes, culminating recently in **ACO Polycrete** having developed business with Japanese, Filipino, Malaysian, Chinese and Vietnamese customers.



# ACO DRAIN AT MILSONS POINT STATION



**ACO DRAIN K1005** with cast iron heelguard gratings has recently been installed on the platform areas at Milsons Point railway station. The station upgrade carried out by the SRA gave the opportunity for improving the platform drainage.

*"User safety is paramount for local authorities"*

The **ACO DRAIN K1005** system was the ideal solution with its easy installation and inbuilt fall. To protect its passengers, the SRA specified the unique cast iron **ACO DRAIN** heelguard grating which does not allow ladies' heels to get jammed into the grating slots and cause potential injury. An additional feature of the **ACO DRAIN** system is each grating is locked into the channel thus discouraging vandalism and theft.

## 'SAFE' GRATINGS FOR ACODRAIN

Over the last few years **ACO** has been at the forefront in the manufacture of user friendly gratings for drainage systems. The main object of drainage systems is the collection and movement of surface water to avoid flooding. To collect water it is essential that the drain systems have slots or holes which allow the water to fall into the channel.

The bigger the aperture the more water collected. There are however certain applications where, although the collection of water is paramount, the drain system has to be 'safe' for use by humans. If the apertures in the grating are too large it is possible for heels of shoes to get trapped in the grating and cause injury.

*"The widest choice of gratings to suit every application"*

With the growth of litigation due to injury caused by incorrect product choice, this area has become much more important in locations where drainage systems are heavily trafficked by humans. Typical of such locations are railway stations, petrol stations, shopping malls, restaurants, kitchens, schools and hospitals. The owner of the premises is often the target of litigation but specifiers and



installers also bear responsibility, so the choice of the right product is extremely important.

The general purpose **ACODRAIN K1005** system has become the world standard for locations such as those mentioned above, the modular, easy to install, polymer concrete, pre-sloped drainage system with inbuilt galvanised steel or stainless steel edge gives a neat aesthetic appearance and the widest choice of gratings to suit every application. Of the 12 gratings in the K100S range, 5 are regarded as Heelguard. These are:-

(1) Heelguard 'S', a longitudinal stainless steel grating with a 5mm slot - ideal for kitchens and shopping malls,

(2) Heelguard composite is a non metallic resin and glass grate with transverse 6mm slots - ideal for corrosive environments,

(3) Heelguard cast iron is a general purpose grate with 6mm transverse slots - ideal for petrol stations, railway platforms and shopping malls,

(4) perforated grate is available in stainless steel, galvanised steel and brass and is ideal for kitchens, indoor areas and receptions,

(5) Rosette is a decorative antique type cast iron grate ideal for retro look applications such as around Churches or Civic buildings. With the exception of the Heelguard 'S' grating, all the above gratings can be locked into the **ACODRAIN** channel system.



## UNIQUE APPLICATION FOR 'POLYCRETE' POLYMER CONCRETE

ACO Polycrete's engineering skills and custom casting expertise of 'Polycrete' polymer concrete is now bringing benefits to industries other than building and construction.

*"Versatility of Polycrete Polymer concrete is the key"*

A recent enquiry here in Australia has led to the successful manufacture and testing of polyester based 'Polycrete' polymer concrete bearer bars used on the top of plating cell tanks to carry the anode and cathode elements required in the electroplating process.

Initially a set of prototype 'Polycrete' polymer concrete bars was made for a single plating cell which was rigorously tested over a six-month period. The test results were judged to be completely satisfactory and the customer is systematically replacing the existing ceramic bars during their maintenance program.

Significant factors for the customer were the corrosion resistance of the material and the considerable cost savings achieved by using 'Polycrete' polymer concrete.

## NEW HOMEDRAIN 'PLUS' 200

The success of the ACO HOME drainage system range since its launch has led to a further extension of the range. The ACO HOME range is specifically designed to be a simple, easy to install series of products available through retail outlets. The successful 100mm wide plastic and 'Polycrete' polymer concrete channel drain systems have now been joined by a bigger Home Drain 'Plus' 200 channel which is a 'Polycrete' polymer concrete 200mm wide, 1000mm long unit, weighing 21kg and each channel comes complete with a galvanised steel mesh grating capable of withstanding light vehicles, such as cars and vans. ACO have identified that in certain domestic applications, such as underground car parks and residential units, a larger, high intake channel system is required and the result of identifying this market niche has

been the development of the Home Drain 'Plus' 200 channel which is now available through retailers.



**ACO HOME**

## 'TYPE 3' PIT NOW AVAILABLE



surrounding backfill, whether it is Portland cement concrete or 'soft' material. The PCP3 complies fully with the Type P3 specifications as used by many public authorities and is available with a variety of lids.

*"The most comprehensive range of pits available"*

ACO's policy of continuous product development is illustrated in an uniquely registered design of lip which provides a more durable pit lip and seating for the cover. This new design of pit lip gives a better edge for installers to level pavements up to and allows ACO better quality control of the lip profile to allow the best possible fit of lid into the pit.

The PCP3 is available with a Portland cement concrete cover or galvanised steel cover, all of which can be supplied marked with 'Electricity', 'Communications', or blank.

The PCP3 pit joins other high density polyethylene pits and 'Polycrete' polymer concrete pits in the ACO CABLEMATE range.

ACO Polycrete continues to offer its customers the most comprehensive range of cable jointing pits for all applications. To further enhance this claim, ACO has added a new PCP3 high density polyethylene pit to its range, to complement the highly successful PCP4 pit.

The PCP3 has the same unique body design as the PCP4 to give the pit structural rigidity and allows the best possible keying to

**NEW**



## ACO ON TRACK IN MELBOURNE

The versatility of **ACO's** product ranges was recently highlighted in the supply of **ACO DRAIN** drainage systems and **ACO ACCESS** continuous trench ducting for the new maintenance facility built at Melbourne Road, Spotswood, Victoria. **ACO's K2005** channel drain system with high intake galvanised steel mesh gratings was the ideal solution in providing a barrier across the doorways in both the maintenance shed and locomotive wash down buildings. The drain system was installed to stop surface water running into the buildings and in the case of the wash down building, the runs of **ACO DRAIN** also ensure that detergents and oils washed off the locomotive do not get carried outside the building and pollute the groundwater. Over 150m of **ACO DRAIN** was used in these areas.

*"Drainage and ducting systems from one manufacturer"*

The unique **ACO ACCESS** continuous, recessed, cement concrete filled, trench ducting was used to carry all the services, such as oil, compressed air, signalling etc. for both buildings. The **ACO ACCESS** ducting provided an aesthetic heavy duty solution to the requirements and a total of more than 200m featuring custom built corners and junctions was manufactured for installation on the site.



## POLYBUND - ENVIRONMENTALLY SOUND PRODUCTS

**ACO** has long been a manufacturer of corrosion resistant products. As the world's leading manufacturer of the highly chemical resistant '**Polycrete**' polymer concrete, this expertise has been used for the manufacture of a range of environmental protection products - Polybund.



The Polybund range of products is dedicated to the containment of liquids if the traditional packaging such as cans, drums or tins should fail. The range is based on either a '**Polycrete**' polymer concrete base or high density polyethylene base which can be constructed with a large variety of either shelving or cradle systems. A complete range of accessories is available for the bunding system such as fork lift tyres and rotator systems.

*"Liquid containment allied to material technology makes ACO the innovative leader in this field"*

In the areas where permanent floor bunding is required, **ACO** manufacture '**Polycrete**' polymer concrete floor bunds which can be bolted to the floor and sealed to provide a barrier to liquids. To complement the floor bunds, **ACO** also manufacture ramp modules in '**Polycrete**' polymer concrete to allow fork lift and vehicular access.

A brochure detailing the full Polybund range is now available from **ACO Polycrete**.



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Standards Australia  
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