

HYDRA GUARD

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HYDRAGUARD :-

Is a glass reinforced nylon potable plastic plate that has a rubber outer rim to seal against the inside of a 225mm p/n4-Sn1 PVC storm water pipe. It is bolted in between the hydrant flanges with a gasket top and bottom.

Hydraguard is a **proven** system for reducing costs approx - 50% on hydrant maintenance for Water Authorities.

TESTED TO 6000 Kpa for 24hrs



HYDRAGUARD is part of a Hydrant protection system

Rubber sealing rim and capillary plug.



Hydraguard was developed by two Local Government Water and Sewer workers who between them have 35 yrs experience in the industry. They saw a need to **reduce maintenance labour time, costs and improve the firefighting readiness of fire hydrants**. In many cases **ants** were defeating the authority's attempts to keep the hydrants clean and available for fire fighting. Ants can refill a cleaned hydrant in as little as 2-3months. In most cases this is beyond the ability of Authorities to stay on top of. The answer came when it was realized that the ants always excavated the earth from the bottom of the hydrant well and that sealing them off from the soil would be a permanent solution. . **The cost savings on hydrant maintenance and the insurance value of always having the hydrant exposed, for use, speak for themselves.** **Test trials have now proven this** to be exactly the case with the **Alstonville trial- Hydratects own trial-** Palermo St **Hydraguard** now passing **the 10 year mark with complete success.**

ACTEW - HYDRAGUARD Spec'ced in for new work/subdivisions
Trialing - VALVEGUARD/MULTIGUARD - upon successful completion
ICON WATER will install roughly 300 MULTIGUARD a year .

LISMORE CITY- Spec'ced in.

TWEED CITY COUNCIL – Spec'ced in.

BALLINA COUNCIL Spec'ced in

COFFS HARBOUR – Spec'ced in

CLARENCE VALLEY COUNCIL- Hydraguard In use as stock item .

ROUS COUNTY COUNCIL - Spec'ced in

Currently we have many other Councils /Water Authorities *trialing*.

Hydraguard comes in a kit **for 80m or 100mm hydrants** containing all the items needed to bolt it in place between the spring hydrant flange and the riser. Please note that to complete the installation you will need a, base plate, 225mm p/n 4.5 or SN1 storm water pipe and hydrant box lid. Together this assembly creates the best shielding there is for the protection and ant dirt proofing of a fire hydrant available.



Hydraguard comes as a complete kit in a sturdy plastic bag.

Hydraguard Kit includes: Hydraguard plate, 2 x 80mm gaskets, 4 – M16 X 75mm S/S bolts, 4 x S/S nuts, 8 x S/washers.

ORDERS:Questions

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Available from Civil Plumbing suppliers :-

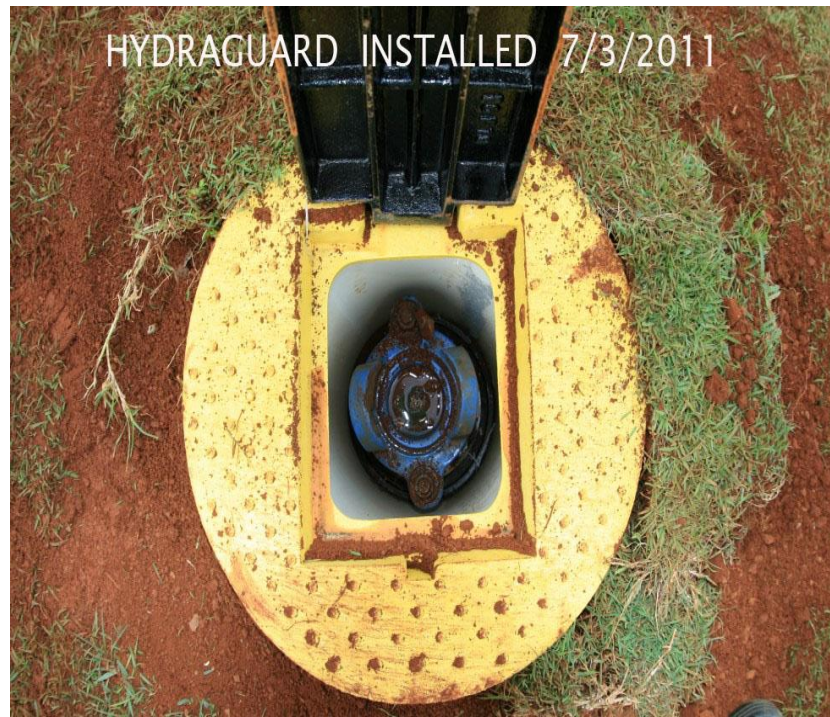
Reece Civil, Hygrade Water, Cadia, Vinidex , Iplex Pipelines, Clover Pipel



ALSTONVILLE TRIAL

- hydrant before
installation of
HYDRAGUARD

7/3/2011



ALSTONVILLE TRIAL

The trial was closely monitored for 12 months

AFTER 3 MONTHS

Control



Hydraguard



AFTER 6 MONTHS



ALSTONVILLE TRIAL

12 MONTHS

No ant dirt at all. *The white flange plate is still visible at the bottom millimeters above HYDRAGUARD.*

*The **capillary plugs** in Hydraguard worked extremely well, allowing the water to seep out during the trial. Dirt had no effect on their ability to drain the well.*

*We stopped taking photos of the **control Hydrant** once it was full at six months. Anecdotal evidence was that the authority (forgetting about us) came and cleaned the control hydrant 2 more times in the following six months. That made 3 complete maintenance cleanouts for the control hydrant in 12 months to the **one off installation clean** for the HYDRAGUARD hydrant.*



ALSTONVILLE TRIAL

2 yrs 7/3/2013 to 10yrs

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*Both photos were taken on
7/3/2013 at- Palermo street,
Alstonville.*



HYDRAGUARD

Control hydrant



**Same hydrant 7/3/2021
10yrs maintenance free**

LISMORE CITY COUNCIL

LISMORE CITY COUNCIL installed 14 *Hydraguards* on their *new* water mains as a trial from late November 2012. – 3 months after the first ones were installed it is possible to see that there is no ant dirt intrusion- when at this point- it should be expected to clearly see ant dirt starting to build up in an unprotected hydrant. The only dirt visible is from the day of installation.



All photo's- march 2013

Pamela Street, Goonellabah Trial.

Lismore City Council.

The ants can be seen to be highly active in this area



LISMORE CITY COUNCIL

AFTER - 12 MONTHS - LISMORE CITY COUNCIL CONCLUDED their trial and have **Spec'ced in Hydraguard for use in their reticulation system.** They will be using hydraguard on new water mains contracts from the 3rd quarter of 2014. They also will look at retrofitting to existing hydrants in bad areas.

The following Photo's were taken after the **SUCCESSFUL** 12 month Lismore trial had concluded and are a sample of the hydrants installed with **Hydraguard.**



Lismore City Council

Scott Chadwick,

Water and Wastewater Inspector


14 March 2013

I have supervised the installation of fourteen 'Hydraguard' ant caps for Lismore City Council with the current water main replacement contract.

As a trial a project was selected in an area known for problematic ant infestations of hydrants.

The first one was installed on 16 November 2012, and to date ants have not returned.

I found the product easy to install, with the added bonus of ensuring the hydrant is centred in the hydrant chamber. All withstood the pressure test, where the water main was subject to 1600kPa for four hours.



Scott Chadwick

Lismore City Council, Water and Wastewater Inspector.