



McBerns Pty Ltd HydrANTguard ANT SEAL

ARE YOUR FIRE HYDRANT WELLS FILLED WITH ANT DIRT?



HydrANTguard CAN SOLVE IT FOR YOU!

HydrANTguard ANT SEAL is a new innovative device which stops ants from filling hydrant wells with “ant dirt” and stops subsidence issues.



HydrAnt GUARD DISC
FOR NEW INSTALLS

A well maintained hydrant, protected from “ant dirt” congestion cannot be underestimated: the protection of lives, private and public assets from destruction from fire is paramount.

Fire Brigade turn up to fight a fire and is denied access to hydrants because of ant dirt, precious minutes are wasted while the hydrants are located and cleared. This could be the difference between life or death, saved or lost properties. This is a common problem for Councils and Fire Brigades to maintain access to their extensive network of Fire Hydrants.

Fires are unpredictable and with the present hydrant maintenance schedules it is difficult to keep every hydrant well “ant dirt” free when it is needed.

“NOT ANYMORE!...”

IT IS NOW POSSIBLE TO HAVE CLEAR ACCESS 24/7 TO FIRE HYDRANTS FITTED WITH A HydrANTguard”.



HydrAnt GUARD BOOT
FOR RETRO FITTING

HydrANTguard is an innovative sealing device which stops ants entering the hydrant well from below the hydrant access point. By separating the hydrant from the soil below, it prevents ant infestation and subsidence. Hydrants will always be visible and clear for all emergencies.

HydrANTguard ADVANTAGES:

- ◆ Will Help Save Lives & Property; No more digging to gain access in an emergency.
- ◆ Stops “Ant Dirt” blocking access to Hydrant from ant infestations in hydrant wells.
- ◆ Stops Ants Undermining. Stops Subsidence; Ants cannot enter Hydrant Wells from below HydrAnt GUARD seal.
- ◆ Increases Serviceability & Dependability by always ensuring clear hydrant access.
- ◆ In damp ground it stops soil & sand from forcing its way into the hydrant well.
- ◆ Significantly Reduces Maintenance Requirements for each Hydrant. Saves time & costs. (one off purchase)
- ◆ Made to fit 80mm Hydrant Flange System ; 100mm Hydrant Flange System in development.
- ◆ Easy & safe to install. Available in 2 designs: for retro-fit & new installs.

**McBerns Celebrates it's 20th Anniversary in Business
servicing the Water & Wastewater Industries.**

A COMMON PROBLEM.....HYDRANT WELLS ARE CLEARED OF "ANT DIRT" ONLY TO FILL UP AGAIN WITHIN MONTHS..... NOT ANYMORE!

"ANT DIRT" by ant infestation of hydrant wells causes serious safety issues for Council Authorities and Fire Brigades. In some areas, it is so bad, that they struggle to keep all their hydrants serviceable. For example the average maintenance for each hydrant in many areas is only once every 6 years.



Hydrant Spring Flange is completely buried with "ant dirt". As shown above the hydrant is buried by ant dirt to a depth of 27cm blocking access. In most cases the cover is also buried making the hydrants difficult to locate, costing precious time.

Another serious problem is subsidence from ant activity undermining the well which causes it to sink. The result is not only do they fill from within they are also covered from the top and the hydrant is hidden from view, public safety is at risk.

Consider how many Hydrants are in your local shire; it is easy to see how difficult a problem this is to solve. Not anymore with a **HydrANTguard** seal which ants stop entering the hydrant well from below and above keeping the hydrants clear and serviceable.

Once fitted this maintenance task is reduced significantly, helping to save lives and property; and it will save authorities time and money.

HydrANTguard BOOT FOR RETRO - FITTING TO EXISTING HYDRANT:



Is safe and easy. The **HydrANTguard** Rubber Boot has been designed for installation without shutting down the water supply. Firstly it may require the ground area around the Hydrant to be dug away, then simply stretch the **HydrANTguard BOOT** over the top of the hydrant and push onto the outer part of the hydrant flange. If hydrant is corroded it must be cleaned to a smooth finish using a wire brush and a heavy rasp, leaving no gaps This is important to prevent ants from finding gaps to penetrate. Once this is completed then slide a piece of 225mm Stormwater PVC to the appropriate depth, fill-in around pipe and fit cover. **IT'S THAT SIMPLE NO MORE "ANT DIRT" MAKES FOR SAFER FIRE FIGHTING!**

HydrANTguard TECHNICAL SPECIFICATIONS:

HydrANTguard DISC: (Design Reg. No:15008/2009) Designed to fit an 80mm Flange. It is made from a long life Duralon 83 15G0004– suitable for use with potable water and complies with AS/NZ 4020:2005 and BS6920:2000.

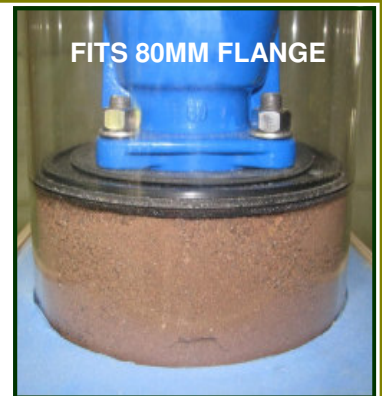
DESCRIPTION: Duralon 83 15G004 is 15% glass reinforced, UV black nylon 6 injection moulding compound possessing a balance of engineering properties combined with excellent aesthetics for potable water.

PROPERTIES: The addition of glass reinforcement to a nylon moulding compound enhances its performance characteristics. Duralon 83 15G004 exhibits high strength stiffness and heat deflection temperature. Like conventional nylons Duralon 83 15G004 maintains its inherent chemical resistance, particularly to greases, oils and hydrocarbons.

HydrANTguard RUBBER BOOT:(Design Reg. No:14947/2009) Designed to fit an 80mm Flange. It is made from Santoprene™ TPV 121-67W175 rubber and complies with AS/NZ 4020:2005 and BS6920:2000.

DESCRIPTION: A soft, black, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family.

PROPERTIES: This material combines good physical properties and chemical resistance, and is designed for thin wall or complex profile extrusion applications.



FITS 80MM FLANGE

Above image shows dirt below the 80mm HydrANTguard DISC in clear demonstration tube.

DESIGNED & MANUFACTURED IN QLD, AUSTRALIA ; Provisional Patent No: 2009 905377; Registered Design Cert: No: 327907;



McBerns Pty Ltd ABN 56 060 984 107

69 Running Creek RD (PO Box 304) Yandina Qld Australia 4561

PH: 61 7 5446 7167 FAX: 61 7 5446 7162 EMAIL: mail@mcbarns.com

©McBerns Pty Ltd: Updated 12/05/11