



# CANZAC®

## X-Plug™

Waterstop System



*The only Mechanical plug for formtie holes/voids*

**UNMATCHED SEAL**

**UNBELIEVABLE SAVINGS**

**The X-Plug is a “patent pending” mechanical plug** specifically designed and engineered to seal all types of formtie holes/voids. With the **X-Plugs** mechanical design tightening of the stainless steel nut causes an expansion of the EPDM rubber plug, increasing its diameter inside the formtie hole. This action simultaneously compresses the main body plug onto the bolt to create a liquid and watertight seal between the plug and the wall of the formtie void.

**The X-Plug** used with any formtie system has proven to **save contractors 50% in labour and material costs** when compared to conventional methods. **The X-Plug** can be installed 20 times faster than non-mechanical plug and patch and ensures a positive seal unlike the conventional method.

**The X-Plug** has the capability and reliability to seal all formtie voids with a head pressure rating of 90 metres. There is no need to use epoxy or non shrink grout which is both time consuming and costly.

**The 304 stainless steel bolt** is compression set at 23kgs into the rubber grommet to ensure a non-slip or spin during installation.

**A Xylan coating** is applied to the stainless steel bolt to boost the corrosive resistance an extra 500 – 1000 hours in the ASTM B1117 salt spray test. The xylan coating also services as an anti-galling/anti seizing agent.



Structures requiring the X-Plug™

- Waste water treatment plants
- Water treatment plants
- Pump stations
- Reservoirs
- Dams
- Ground Storage facilities
- Chemical treatment facilities
- Flood control structures
- Any structure designed to be water/liquid tight.

**CANZAC®**

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## Installation

- Clear formtie hole of all loose debris (an x-plug brush is recommended and available from Canzac. See accessories)
- X-Plug will seal 50 – 60% of wall thickness when properly selected.
- Attach the 12mm installation extension to a handheld drill. Place the nut side of the plug into socket and slide into void fully tighten nut.
- Once the nut has been fully tightened, the formtie void can be packed with patching material if desired for aesthetics.

## Considerations

### Extreme cold

At below freezing temperatures Canzac recommends storing the product in a warm climate prior to installation to ensure maximum performance during installation.

### Setting/adjusting.

For maximum performance and to ensure the proper size waterstop plugs are ordered, the contractor should pay close attention to the diameter of the formtie hole.

### Chemical resistance

The X-Plug is suitable for use in many but not all chemical applications.

Consult a Canzac technical representative for details concerning specific environments and application (0800 422 692)

## Packaging

The X-Plug is packaged in sealed 19 litre pails, with convenient colour coding to easily identify sizes. Emptied pails are useful for mixing grout after sealing formtie holes.



Pail Colour	Product Code	Formtie Hole Size	Units / 19 litre pail	Factory Outside Diameter (mm)
Black	XP001	32mm - 38mm	300	34
Red	XP002	25mm - 32mm	400	28
White	XP003	20mm - 32mm	500	25
Blue	XP004	20mm - 25mm	700	22
Green	XP005	15mm - 22mm	700	19
Yellow	XP006	15mm 20mm	700	17

## Accessories

Item	Product Code	Size	Factory Outside Diameter (mm)
900mm void brush	XPBR01	38mm diameter brush	38
900mm void brush	XPBR02	32mm diameter brush	32
900mm void brush	XPBR03	25mm diameter brush	25
Deep Extension Socket	XPST01	* Wall thickness + or - 650mm	
* Call for Deep Extension Sockets in wall thicknesses greater than 650mm			



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