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1.800.673.0925  
info@integrity-products.com  
PO Box 69213 Edmonton, AB  
T6C 4N6

## Integrity Drainplugs

### Technical Data Sheet



- Prevents CUI (Corrosion Under Insulation)
- Drains moisture from the insulation system
- Prevents loss of insulating value
- Easy installation
- Easy adjustment to insulation thickness





# INTEGRITY PRODUCTS



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## The problem

(Sea)water or moisture in insulation systems, in combination with temperatures from ambient to approx 170°C, can lead to serious Corrosion Under Insulation (C.U.I.) of pipes and equipment.

Metal jacketing is used to protect against mechanical damages and weather conditions, and caulking/sealants are used in addition for flashing of protrusions and overlaps. Due to several causes like foot traffic, water or moisture still gets in the insulation and will cause deterioration of thermal properties and start corrosion (C.U.I.). Therefore creating an extra back-up is essential.



## The solution

Integrity Drainplugs are made of tough, self-extinguishing, all-weather Bergamid B700 UF Black. By installing Drainplugs in the outer jacketing, any water or moisture that penetrates the insulation system can drain out freely.

## Specification

Install Drainplugs at intervals (maximum interval: 3m) along horizontal lengths of insulated piping; at the lowest point of insulated vessels/bends; and at every insulation stop.

For insulation thicknesses under 110 mm adjust the length of the Drainplug to 10 mm under the insulation thickness by breaking/cutting off the excess length at the required mark on the Drainplug's shaft. Pre-drill a 17 mm dia hole in the metal jacketing, pierce a hole in the underlying insulation, insert the Drainplug fully into the insulation and then turn it 180° to lock it into the jacketing.

## Typical Data/ Physical Properties

Colour	Black
Material	Bergamid B700 UF Black
Wall thickness	0.5 mm
Length	100 mm
Diameter	17 mm
Weather resistance	Excellent
UV resistance	Excellent
Chemical resistance	Resistant to most acids and bases
Notched impact strength	Charpy 23°C 4 kJ/m <sup>2</sup> (ISO 179)
Melting point	223°C (ISO 3164)
Flammability	Class V0, UL 94

