

# Indac Wallace Seals

## 1) What materials are the parts of this product made from?

The Following Wallace Seals are produced in a specially formulated Flexible PVC Polymer

CODE	SUITABLE FOR	HOLE SAW SIZE in mm	PIPE Ø mm (min-max)
XWS25PP	25mm Pressure Pipe	44mm	33.4-33.7
XWS32DWV	32mm Drain Waste & Vent	44mm	36.2-36.5
XWS40DWV	40mm Drain Waste & Vent	52mm	42.8-43.1
XWS40PP	40mm Pressure Pipe	52mm	42.8-43.1
XWS50DWV	50mm Drain Waste & Vent	65mm	55.7-56.0
XWS50PP	50mm Pressure Pipe	65mm	55.7-56.0
XWS65DWV	65mm Drain Waste & Vent	76mm	68.7-69.1
XWS80DWV	80mm Drain Waste & Vent	89mm	82.3-82.7
XWS90SW	90mm Stormwater	98mm	90.0-90.3
XWS100SWDWV	100mm Storm / Drain Waste & Vent	121mm	110.0-110.4
XWS150DWV	150mm Drain Waste & Vent	168mm	160.0-160.5

The following Wallace Seal is produced using a specially formulated Thermoplastic Elastomer

XWS150DWV 150mm Drain Waste & Vent

Both materials are also UV Stabilised and conform to the FDA requirements of 21 CFR 177.1500

## 2) Environmental Durability and Reliability Testing

INDAC now produces and sells Wallace seals by the tens of thousands annually and multiple industries have been using these parts since late 2009.

In regard to the use of a different material for the XWS150DWV, it was determined after long term testing of the larger diameter pipe and common areas of use, that this part required increased long-term compression set properties based on this, a decision was made to produce these in a specially formulated Thermoplastic Elastomer.

Based on the above extensive and rigorous testing regime and the results of the products that have been produced and are in use throughout the world, it has proven that our test regime and commitment to quality has paid off..

## 3) What are the Operating Ranges

**Low Pressure:** The Wallace seals are currently designed to allow a simple way for tanks etc to be connected to each other using PVC pipe. The flexible joint that is created reduces any stress on the tank ensuring that any movement etc is taken up in the Wallace Seal thus taking any stress off the tank etc.

**Operational Temperature Range:** Both materials used in the manufacture of the Wallace Seal are suitable for use in environments with temperatures ranging from Minus 20 degrees to 100 degrees Celsius

#### 4) Chemical Resistance

Whilst both materials exhibit excellent chemical resistance to a large range of chemicals it is best to refer to the chart below to confirm that the intended use of the Wallace Seal is compatible with the chemicals it will encounter

5) **Environmental** All components of the Wallace Seal are produced in Thermoplastic polymers and can be easily recycled and remoulded.

#### 6) Health & Safety Risk Reduction for Installer

Due to the design of the fitting this means you no longer have to climb inside a tank to connect them together, the Wallace Seal is easily fitted from the outside and all you need is a drill and the right size hole saw.

#### 7) Cost Reduction and Advantages of The Wallace Seal

The Wallace Seal gives a flexible joint and seal interface between the tanks etc, the fitting allowing this to flex and reduce the stress on the tank wall, greatly reducing the risk of stress cracking the tank

You don't need a highly trained person to fit a Wallace Seal. It's quick and easy.

Almost nil risk of damage to the product that the Wallace is being fitted to.

Removes the necessity of moulding in stainless or brass threaded inserts only to find that they have not been loaded correctly or adhered correctly and the new moulded product is now a reject.

The end user can fit a Wallace Seals to the tanks etc, to ensure they have a easily fitted and robust connection system between the tanks that has all the advantages of a flexible coupling system.

**Wallace Seal tank joining kits are also under development and will consist of :  
PVC pipe joiner, 2 Wallace Seals and the required Hole Saw.**

**Initially these kits will be available  
to suit the following sizes:**

XWS100SW  
XWS50SW

