



Code of Practice

Polypropylene Waste Traps (Code of Practice)
Installing Dux FlexiTrap waste Systems

Obtain Local Body Approval

Dux polypropylene waste system are generally approved by Local Bodies. However, special conditions may apply in some areas, always check with your Local Authority before installation.

Electrical Earthing

Polypropylene is an insulator and must not be used for earthing of electrical equipment.

Storage

Store in clean indoor conditions, away from direct sunlight. Avoid contact with sharp edges.

Cutting

Cut Dux polypropylene pipes with a hacksaw or any other fine tooth saw. Remove any burrs with a deburring tool.

Outside Installations

Do not install white polypropylene pipe or fittings outdoors as ultra violet rays will cause a gradual breakdown or degradation of the polypropylene.

Accessibility

Dux polypropylene waste systems should not be installed where fittings are not readily accessible.

Jointing

Polypropylene pipe cannot be jointed satisfactorily with adhesive or solvent cement. Compression or expansion joint fittings must always be used.

To attach the compression joint fittings to a polypropylene pipe first remove the nut and double taper ring from fittings. fit the nut over the pipe followed by the double taper seal. Insert the pipe into the fitting until it reaches the bottom of the fitting socket. Firmly hand tighten the nut then using a strap wrench tighten a further $1/8 - 1/4$ turn.

Do not use metal jawed pipe wrenches. PTFE tape may be used if necessary, to seal polypropylene threads. Never use adhesive or pipe jointing compounds. Only Dux injection moulded fittings should be used throughout the installation. (For the fitting of expansion joints see separate heading).

Note: wetting the nut and seal reduces friction enabling a tighter joint to be made with less effort.





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Fixing and Support

Vertical runs of pipe should be supported at centres no greater than every 4'6" (1.3m). Use Dux pipe clips or Universal Brackets, either stand off or surface mounted. (Strapping must not be used on vertical runs). Horizontal runs of pipe should be supported at centres no greater than every 3'3" (990mm). Use Dux pipe clips or Universal Brackets, or 16mm PVC strapping looped around the pipe with strap ends spaced apart from each other and screwed to floor joists or any other framing.

Warning

Dux pipe clips are designed to give clearance between the nut and other surfaces facilitating easy accessibility. These clips also allow free thermal movement of the pipe thus reducing noise.

Thermal Expansion

When fitting polypropylene waste pipes in normal domestic waste systems always allow for expansion at the rate of 1/2" (12.5mm) for each 10' (3m) of pipe.

All Dux expansion fittings cater for the thermal movement of waste pipe up to 20' (6m) in length. If the waste pipe is over 20' (6m) long it will require additional expansion joints spaced at no more than 20' (6m) centres. Where there are changes of direction in the waste line, a separate expansion joint must be provided at the end of each straight run of pipe 10' (3m) or more in length. If these straight lengths are less than 10' (3m) one expansion joint at the waste outlet is sufficient.

Fitting Expansion Joints

Every expansion joint must be anchored with a Dux Universal Bracket securely screwed to framing or a wall. The bracket must be fitted between the moulded rings on the expansion joint fitting. The waste outlet with expansion joint (WO125 EX or WO150EX) can be anchored by setting in the concrete surround on the gully trap or in the building foundation. When connecting a polypropylene pipe to an expansion joint the following procedure must be adopted:

1. Cut the end of the pipe so that when installed in the expansion joint socket the end of the pipe is in line with the moulded line about the centre of the expansion joint.
2. Remove the nut and acrylonitrile ring from the expansion joint.
3. Place the nut and the ring over the pipe positioning the ring 1 1/2" (38mm) from the end of the pipe. Insert pipe and ring into the expansion fitting socket and hand tighten the nut.

Installation in Concrete

When a Dux polypropylene waste system is fitted through steel/concrete wall or installed in a concrete floor it is essential that the thermal expansion movement of the waste pipe is not restricted or the pipe subjected to abrasion by the surroundings. One of the following alternative procedures must be used.

1. Polypropylene pipe to be completely surrounded by at least 3" (75mm) of sand.





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2. Polypropylene pipe to be double wrapped with hair felt lagging. One layer to be spiral wrapped in a clockwise direction, the other layer in an anti-clockwise direction.

3. Polypropylene waste pipe to be sleeved in a larger sized pipe. Only the outer sleeve to be in direct contact with the concrete or other compacted material.

In all installations any expansion joint must be securely fixed in the floor or wall so that the polypropylene pipe is free to move independently. Any fittings other than expansion joints must be free to move with the pipe.

Chemical Resistance

A Polypropylene chemical resistance chart appears in a separate data sheet on this website.

For more information, download one of our brochures or call our Contact Centre Team on **0800 367 389**

