

Quick Installation Guide

Durapipe SuperFLO ABS

Vinidex
by aliaxis

Durapipe
superFLO
ABS
Chilled & cold water pipework

Important: Always use the correct Solvent Cement for the application.

The recommended Solvent Cements for jointing Durapipe SuperFLO ABS pipes and fittings are:

- **SuperFLO ABS Eco Cleaner** for priming
- **Durapipe One-Step Cement** for jointing applications. It **MUST** be used with the above primer.

Installation Instructions



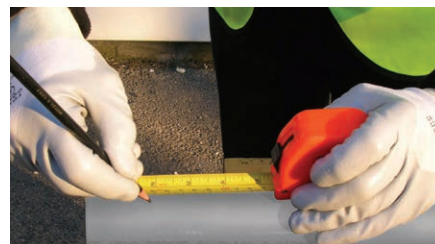
1. CUT PIPE

Pipe must be cut clean and square. A suitable wheel cutter will eliminate swarf. If a saw is used care must be taken to ensure swarf does not enter system.



2. CHAMFER THE END OF THE PIPE

Chamfer the end of the pipe using a coarse file or chamfering tool. Chamfer should be approximately 15 to 30 degrees by 3 to 5mm.



3. WITNESS MARK THE PIPE

Using the pipe or fitting socket as a guide, mark the pipe a distance from the end just clear of the insertion depth to be cleaned. This mark should be used as a witness mark to ensure pipe has been fully inserted.



4. CLEAN THE PIPE SURFACES

Ensure joint surfaces are clean and free from moisture. Clean surfaces with Durapipe Eco-cleaner using lint free cloth/paper towel.



5. APPLY CEMENT

Using a clean brush apply Durapipe ABS solvent cement to the pipe and fitting. It is important to apply Durapipe ABS solvent cement quickly to ensure excessive force is not required to make joint. Size of brush should be approx half size of pipe to be joined.



6. INSERT PIPE

Immediately after applying Durapipe ABS solvent cement insert pipe fully into fitting – do not twist. Hold the pipe and fitting together for about 10 seconds. Application of the correct amount of Durapipe ABS solvent cement should result in a neat bead of cement around the fitting edge.

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Installation Instructions Cont'd



7. WIPE OFF EXCESS CEMENT

Wipe off excess cement from outside of joint. Excessive deposits inside the fitting should also be avoided as this can weaken the wall of fitting.



8. CHECK INSERTION DEPTH

Using mark previously made check that pipe has been fully inserted. Allow joints to cure for 24 hours before subjecting them to internal pressure. Contact Vinidex for advice if a shorter service time is required.

Vinidex Recommendations

Chemical Resistance

ABS has excellent chemical resistance. However it is important to consider both contained chemicals and the external environment when assessing the suitability of ABS. It is essential to check the following:

- i. Suitability of chemicals within the transfer material.
- ii. Ensure environment around ABS is controlled, so that no unspecified chemicals will come into contact with the pipe system.
- iii. Ensure everything that is in direct contact with the pipe system has been verified (for example pipe clips).

Expansion and Contraction

Like many plastic pipe systems ABS expands and contracts with variations in temperature. The rate of expansion/contraction is 1mm per metre for every 10 degree Celsius change in temperature. This needs to be considered when designing the system, and expansion loops or changes in direction should be incorporated where necessary.

UV Resistance

Care should be taken to protect systems exposed to direct sunlight, as over time UV can degrade the material. If the system is likely to be exposed to direct sunlight, Vinidex recommends painting the system, using water based emulsions to provide UV protection (note: do not use cellulose based paints).

Thread Sealant

Vinidex recommend the use of PTFE tape only on threaded connections as some thread sealants can adversely react with the ABS material.

Thermal Insulation

ABS has excellent thermal insulation properties, and does not sweat as much as metal systems. In some instances lagging is recommended to meet certain specifications. Care should be taken over the material used for lagging. The below are suitable materials:

- Fibre wool
- Armaflex Class 1 HT
- Koolphen K Phenolic Foam
- Polystyrene

Please note that lagging should not be bonded to the pipe.

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