

ULTRAPIPE

UltraPipe Class E

UltraPipe pipework systems are not designed to be dry fitted. ABS cement softens the inside of the fitting, and outside of the pipe to form chemical joints. The strength of these joints is weakened if the surfaces aren't cleaned and prepared properly.

1. Cut the pipe end, de-burr and clean out swarf. A chamfer must be filed (approx. 3mm x 45°). This will prevent the layer of cement being moved away as the pipe is pushed into the fitting.
2. Use a marker pen to mark the pipe at point of where the socket will stop.
3. Thoroughly clean the surface of the pipe and fittings with an MEK cleaner on a clean, lint-free cloth. It is not necessary to abrade pipe or fittings unless they are discoloured or sun-bleached.
4. Stir the ABS cement slowly and thoroughly. Use a clean brush, half as wide as the pipe to be jointed, and apply cement using longitudinal strokes, ensuring the pipe has a slightly thicker coating than the fittings. Prepared areas should be completely covered with cement. (Apply cement quickly to ensure assembly without excessive force being required).
5. After application of the cement, immediately make the joint, without rotating. Hold the pipe and fitting for up to a minute (depending on size) to ensure the fitting doesn't slide off of the pipe.
6. Remove excess cement from both sides of the joint using a clean, lint-free cloth.
7. Clean brush in MEK cleaner.

Please note: When working under cold conditions, ensure the joints are free from frost and moisture, and allow extra curing time.

Precautions

The jointing area must be well ventilated.

No naked flames or smoking in the jointing area.

Make sure the cement is used prior to its expiry date (on bottom of tin).

Wear rubber or latex gloves when using MEK cleaner and ABS cement.

Never dilute ABS cement.

Always replace lids on tins when not in use.

Always use a clean brush.

Ensure you use a clean lint-free cloth.

Use a shelter to keep jointing surfaces dry in wet weather.



Available in -

3/4" & 1 1/4"

3M & 6M lengths

Cement Setting Times (applicable to Griffon cement CFUTG250)

Pipe Diameter	UP TO 2"	UP TO 2"
Temperature	Up to 5 bar	Up to 10 bar
>15°C	2h	4h
5°C - 15°C	4h	8h

Cement Usage Recommendations

The following is an estimation of the number of joints per litre of cement.

Nominal Bore	Number of Joints	Size of Brush	Number of People
¾"	400	8mm Round	1
1 ¼"	200	1" Flat	1

Manufacturing Standards

UltraPipe products are manufactured to the following standards:

Pipe - BS5391 Part 1

Fittings - BS5392 Part 1

Unless otherwise stated, UltraPipe fittings have the following pressure ratings:

Solvent Weld - ½" - 8" = Class E/15 Bar



CFUT90



CFUTC



CFUT45



CFUT



CFUTG250



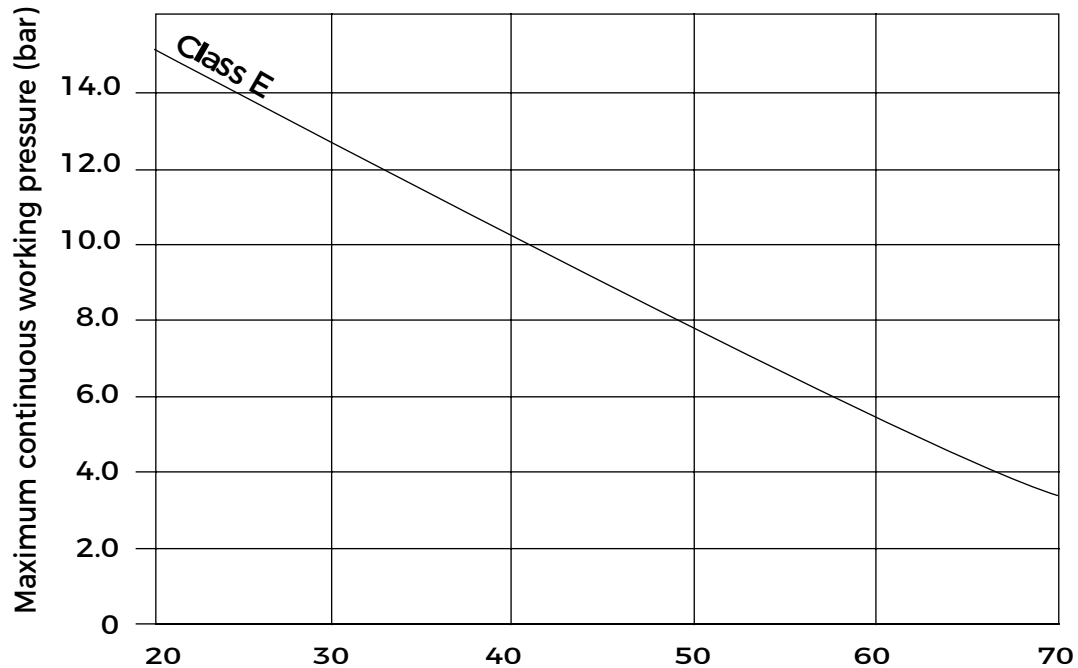
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UltraPipe System Pressure/Temperature Relationship

Pressure ratings for plastic pipework are quoted at 20°C, if the temperature is increased, then the pressure rating must be reduced.

UltraPipe systems must never be used for temperatures in excess of 70°C.

The chart below gives a rough guide as to the pressure/temperature relationship of UltraPipe.



In above ground installations you must ensure that the weight of the pipe and contents is supported adequately. The recommendations for maximum spacing below are based on the following conditions:

- Fluid density of not more than 1g/cm³
- PN15 pipe
- Horizontal pipe run (for vertical pipe runs, spacing should be increased by 50%)

UltraPipe Support Centres (spacing given in Metres)

Nominal Bore	20°	50° C	70° C
3/4"	1.0	0.7	0.6
1 1/4"	1.2	0.9	0.7

Dimensions in MM

Nominal Bore	Mean O.D.
3/4"	26.7
1 1/4"	42.2