



# CIVILS

*Quality Plastic Solutions*

## CorriPipe<sup>TM</sup>

Fittings & Accessories



[www.jfccivils.com](http://www.jfccivils.com)

# JFC CorriPipe™

JFC CorriPipe™ is a Twinwall drainage pipe made from HDPE plastic manufactured by twin extrusion process in which the two layers are simultaneously extruded, one inside the other and heat welded together in one continuous step.

The outer wall is corrugated providing excellent structural strength which reduces the possibility of on-site damage. The inner wall has a smooth seamless finish to assist hydraulic flow. The design unlike traditional single-wall pipe prevents silt accumulation.

## Quality Assurance

CorriPipe™ is fully BBA (British Board of Agrément) approved to ensure reliability and long lasting service.

The following Agrément Certificates have been awarded to JFC CorriPipe™ Twinwall Pipe

- BBA, HAPAS Roads & Bridges Certificate No. 02/H069 (Sizes 150 - 600Ømm inclusive)
- Quality approved to internationally recognised ISO 9001-2008 standard

## Features & Benefits

- **Smooth internal plastic bore with reduced hydraulic resistance.** Manning's coefficient of 0.012 allows for greater flow capacity and also a greater factor of safety. This also reduces sediment or debris build-up when compared to concrete or steel.
- **Lightweight** when compared to traditional materials such as concrete or steel. E.G. (Up to 90% lighter than concrete).
- **Fully leak tested** to HAPAS requirements when used with rubber seals.
- Standard 6m lengths make it **quick and easy to install**, eliminating wastage and reduces labour and plant costs. E.G. (Up to 6 times faster installation compared to concrete).
- **Parallel corrugations** allow pipe to be easily cut square on site as required. (Spiral wound pipe makes it very difficult to create a square cut on site if required)
- JFC CorriPipe™ is available **unperforated, fully perforated or half perforated.**
- **Manufactured from exceptionally durable HDPE material with excellent corrosion resistance** and long term performance.
- **Resistant to most naturally occurring chemicals** and is therefore suitable for use on the majority of soil conditions.
- Can typically be installed with cover depths from 0.6 to 10m\*.

\* *Contact JFC for guidance on minimum and maximum burial depths.*

# Surface / Infrastructural Drainage

## Solid Twinwall CorriPipe™

### Applications

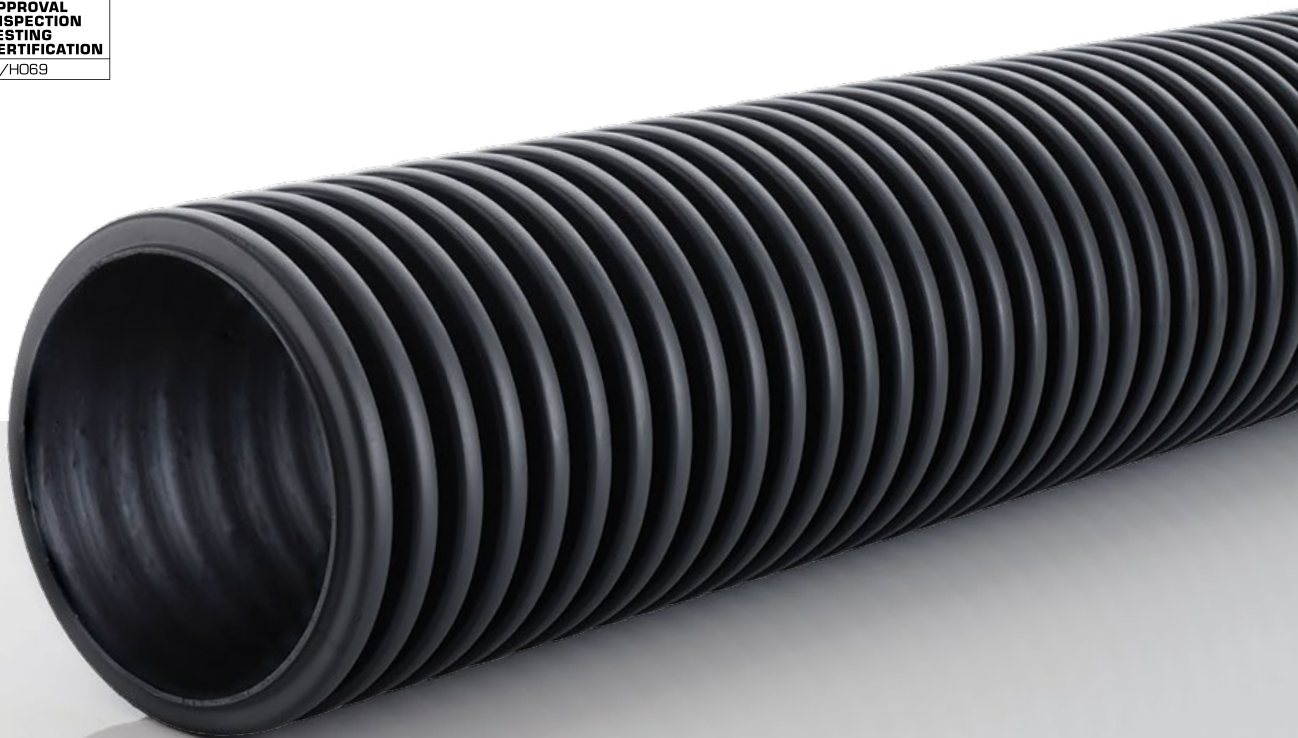
Ideal for gravity surface water and stormwater drainage applications this pipe is used for highway filter and carrier drains, rail track drainage, golf course land drainage, catchpits and land reclamation projects.

| CODE   | DESCRIPTION                   | NOM. ID | NOM. OD | LENGTHS / PACK |
|--------|-------------------------------|---------|---------|----------------|
| 110TPU | 110mm Unperforated CorriPipe™ | 94.5mm  | 111.5mm | 100            |
| 150TPU | 150mm Unperforated CorriPipe™ | 150mm   | 178mm   | 33             |
| 225TPU | 225mm Unperforated CorriPipe™ | 225mm   | 265mm   | 14             |
| 300TPU | 300mm Unperforated CorriPipe™ | 300mm   | 354mm   | 8              |
| 375TPU | 375mm Unperforated CorriPipe™ | 372mm   | 426mm   | 5              |
| 450TPU | 450mm Unperforated CorriPipe™ | 445mm   | 512mm   | 4              |
| 600TPU | 600mm Unperforated CorriPipe™ | 592mm   | 680mm   | 2              |

CorriPipe™ comes in 6m lengths including integrated coupler. Available in black as standard.

### BBA Certification

BBA Certification on 150 - 600Ømm pipe inclusive.



# Surface / Infrastructural Drainage

## Large Diameter Twinwall CorriPipe™ XL

JFC has further expanded its range of CorriPipe™ products with the introduction of 750mm, 900mm and 1050mm sizes.

These sizes are manufactured using the most advanced extrusion and polymer processing technology available. This technology is coupled with cutting edge materials to provide the ultimate large diameter surface and stormwater drainage pipe.

Large diameter CorriPipe™ is manufactured from recycled HDPE utilising a twin extrusion process. The inner and outer layers are simultaneously extruded, one inside the other and heat welded together in one continuous process. The outer solid wall is corrugated providing excellent structural strength, reducing the possibility of on-site damage. The inner wall has a smooth seamless finish to optimise hydraulic flow.

Our CorriPipe™ Twinwall drainage pipe has been used across numerous large scale projects throughout Ireland and the United Kingdom. Offering expert advice and comprehensive range of fittings and accessories, JFC is the brand of choice for leading contractors and project managers.

### Applications

Ideal for gravity surface water and stormwater drainage applications, this pipe is used for highway filter and carrier drains, rail track drainage, golf course drainage, catchpits and land reclamation projects. Available in black as standard.

### JFC CorriPipe™ XL Features & Benefits

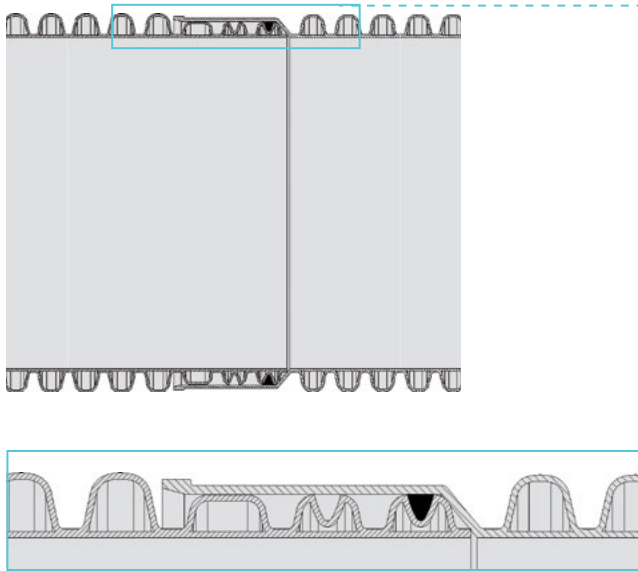
JFC CorriPipe XL has all the features and benefits listed on page 2 with the addition of the following which are specific to the XL range.

- **Superior structural strength** with SN2, SN4, and SN6 options available.
- **Unique Integrated socketing system** (traditional independent sockets also available).



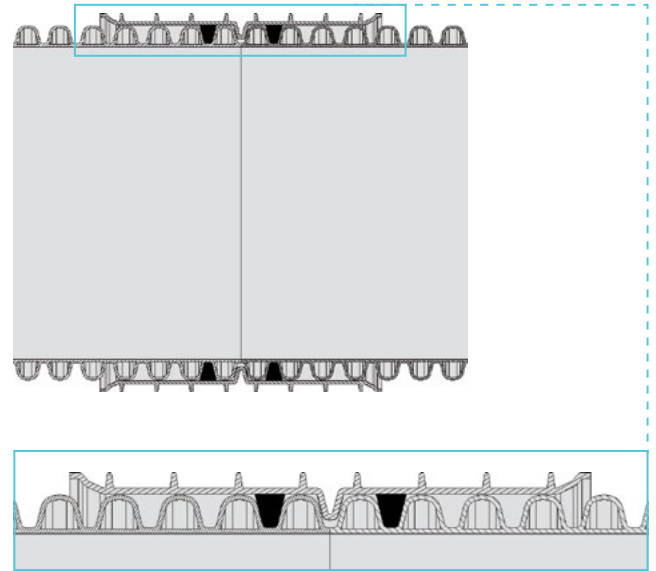
## Unique Integrated Socketing System

### Integrated Bell & Spigot Joint



- Removes need to deepen pipe bedding at joint.
- 1 seal per joint.
- Minimal distortion during transportation and storage.

### Traditional Independent Coupling



- Coupling option for plain ended pipe.

| CODE:   | DESCRIPTION                        | NOM. ID | NOM. OD | STANDARD LENGTH |
|---------|------------------------------------|---------|---------|-----------------|
| 750TP   | 750mm Fully Perforated CorriPipe™  | 750mm   | 848mm   | 6m              |
| 750TPU  | 750mm Unperforated CorriPipe™      | 750mm   | 848mm   | 6m              |
| 750TPH  | 750mm Half Perforated CorriPipe™   | 750mm   | 848mm   | 6m              |
| 900TP   | 900mm Fully Perforated CorriPipe™  | 900mm   | 1024mm  | 6m              |
| 900TPU  | 900mm Unperforated CorriPipe™      | 900mm   | 1024mm  | 6m              |
| 900TPH  | 900mm Half Perforated CorriPipe™   | 900mm   | 1024mm  | 6m              |
| 1050TP  | 1050mm Fully Perforated CorriPipe™ | 1050mm  | 1200mm  | 6m              |
| 1050TPU | 1050mm Unperforated CorriPipe™     | 1050mm  | 1200mm  | 6m              |
| 1050TPH | 1050mm Half Perforated CorriPipe™  | 1050mm  | 1200mm  | 6m              |

# Filter Drain / Land Drainage

## Perforated Twinwall CorriPipe™

This twinwall drainage pipe is supplied either fully perforated or half perforated depending on application required. The small perforations in the pipe enable water to be collected and carried away to a soakaway, water course or surface/rainwater drainage system. Available in black as standard.

Independent studies have shown that a velocity of 0.5 metres per second is needed to ensure drainage pipe will clear itself of silt. JFC 110mm (4") Twinwall pipe far exceeds this guideline with a maximum flow rate of 0.75 metres per second.

### Applications

This pipe is ideal for land drainage and flood risk or stormwater management applications.

| CODE   | DESCRIPTION                       | NOM. ID | NOM. OD | LENGTHS / PACK |
|--------|-----------------------------------|---------|---------|----------------|
| 110TP  | 110mm Fully Perforated CorriPipe™ | 94.5mm  | 111.5mm | 100            |
| 150TP  | 150mm Fully Perforated CorriPipe™ | 150mm   | 178mm   | 33             |
| 150TPH | 150mm Half Perforated CorriPipe™  | 150mm   | 178mm   | 33             |
| 225TP  | 225mm Fully Perforated CorriPipe™ | 225mm   | 265mm   | 14             |
| 225TPH | 225mm Half Perforated CorriPipe™  | 225mm   | 265mm   | 14             |
| 300TP  | 300mm Fully Perforated CorriPipe™ | 300mm   | 354mm   | 8              |
| 300TPH | 300mm Half Perforated CorriPipe™  | 300mm   | 354mm   | 8              |
| 375TP  | 375mm Fully Perforated CorriPipe™ | 372mm   | 426mm   | 5              |
| 375TPH | 375mm Half Perforated CorriPipe™  | 372mm   | 426mm   | 5              |
| 450TP  | 450mm Fully Perforated CorriPipe™ | 445mm   | 512mm   | 4              |
| 450TPH | 450mm Half Perforated CorriPipe™  | 445mm   | 512mm   | 4              |
| 600TP  | 600mm Fully Perforated CorriPipe™ | 592mm   | 680mm   | 2              |
| 600TPH | 600mm Half Perforated CorriPipe™  | 592mm   | 680mm   | 2              |

CorriPipe™ comes in 6m lengths including integrated coupler. Available in black as standard.

### BBA Certification

BBA Certification on 150 - 600Ømm pipe inclusive.



# CorriPipe™ Fittings & Accessories

JFC offer a broad range of CorriPipe™ fittings and accessory products that are quick and efficient to use and suitable for several applications. A wider range of pre-fabricated fittings for 375Ø, 450Ø, & 600Ømm pipe are also available on request.

## CorriPipe™ Couplers

Couplers join Twinwall pipes together and are supplied as standard with JFC CorriPipe™.



| CODE: | DESCRIPTION               | CODE:  | DESCRIPTION             |
|-------|---------------------------|--------|-------------------------|
| 110TC | 94/110mm Twinwall Coupler | TC450  | 450mm Twinwall Coupler  |
| 150TC | 150mm Twinwall Coupler    | TC600  | 600mm Twinwall Coupler  |
| 225TC | 225mm Twinwall Coupler    | TC750  | 750mm Twinwall Coupler  |
| 300TC | 300mm Twinwall Coupler    | TC900  | 900mm Twinwall Coupler  |
| TC375 | 375mm Twinwall Coupler    | TC1050 | 1050mm Twinwall Coupler |

## Ring Seals - Plain Ended CorriPipe™

Seals ensure a waterproof and secure connection and are supplied as standard with JFC unperforated CorriPipe™.



| CODE:  | DESCRIPTION       | CODE:   | DESCRIPTION        |
|--------|-------------------|---------|--------------------|
| 150TRS | 150mm Ø Ring Seal | 600TRS  | 600mm Ø Ring Seal  |
| 225TRS | 225mm Ø Ring Seal | 750TRS  | 750mm Ø Ring Seal  |
| 300TRS | 300mm Ø Ring Seal | 900TRS  | 900mm Ø Ring Seal  |
| 375TRS | 375mm Ø Ring Seal | 1050TRS | 1050mm Ø Ring Seal |
| 450TRS | 450mm Ø Ring Seal |         |                    |

## Ring Seals - Bell & Spigot CorriPipe™

Seals ensure a waterproof and secure connection and are supplied as standard with JFC Large Diameter CorriPipe™.



| CODE:  | DESCRIPTION       | CODE:   | DESCRIPTION        |
|--------|-------------------|---------|--------------------|
| 750BBS | 750mm Ø Ring Seal | 1050BBS | 1050mm Ø Ring Seal |
| 900BBS | 900mm Ø Ring Seal |         |                    |

## CorriPipe™ Adaptors

Adaptors connect 110mm / 160mm single wall sewer pipe to 150, 225 & 300mm Twinwall pipe. Larger fabricated sizes available on request.



| CODE:        | DESCRIPTION  |
|--------------|--|
| TC150/SWS6"  | Adaptor for 150mm CorriPipe to 150mm single wall sewer |
| TC225/SWS9"  | Adaptor for 225mm CorriPipe to 225mm single wall sewer |
| TC300/SWS12" | Adaptor for 300mm CorriPipe to 300mm single wall sewer |

# CorriPipe™ Fittings & Accessories

## CorriPipe™ Bends

Bends are available in 15°, 30°, 45° and 90° angles and in varying lengths from 150-300mm.



| CODE:   | DESCRIPTION               | CODE:   | DESCRIPTION               |
|---------|---------------------------|---------|---------------------------|
| 150TB15 | 150mm CorriPipe™ 15° Bend | 225TB45 | 225mm CorriPipe™ 45° Bend |
| 150TB30 | 150mm CorriPipe™ 30° Bend | 225TB90 | 225mm CorriPipe™ 90° Bend |
| 150TB45 | 150mm CorriPipe™ 45° Bend | 300TB15 | 300mm CorriPipe™ 15° Bend |
| 150TB90 | 150mm CorriPipe™ 90° Bend | 300TB30 | 300mm CorriPipe™ 30° Bend |
| 225TB15 | 225mm CorriPipe™ 15° Bend | 300TB45 | 300mm CorriPipe™ 45° Bend |
| 225TB30 | 225mm CorriPipe™ 30° Bend | 300TB90 | 300mm CorriPipe™ 90° Bend |

Larger fabricated sizes available on request.

## CorriPipe™ Wyes

JFC supply a range of equal and unequal wyes (junctions) which range in size from 150mm to 375mm. They have equal and unequal diameter sockets in a range of sizes.



| CODE:       | DESCRIPTION                          |
|-------------|--------------------------------------|
| 150TY45     | 150mm CorriPipe™ Equal 45° Wye       |
| 225TY45     | 225mm CorriPipe™ Equal 45° Wye       |
| 300TY45     | 300mm CorriPipe™ Equal 45° Wye       |
| 225/150TY45 | 225/150mm CorriPipe™ Unequal 45° Wye |
| 300/225TY45 | 300/225mm CorriPipe™ Unequal 45° Wye |

Larger fabricated sizes available on request.

## CorriPipe™ Tees

JFC supply a range of tees (junctions). They range in size from 150mm to 375mm. They have equal and unequal diameter sockets in a range of sizes.



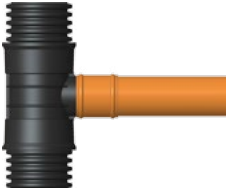
| CODE:       | DESCRIPTION                          |
|-------------|--------------------------------------|
| 150TT90     | 150mm CorriPipe™ Equal 90° Tee       |
| 225TT90     | 225mm CorriPipe™ Equal 90° Tee       |
| 300TT90     | 300mm CorriPipe™ Equal 90° Tee       |
| 225/150TT90 | 225/150mm CorriPipe™ Unequal 90° Tee |
| 300/150TT90 | 300/150mm CorriPipe™ Unequal 90° Tee |
| 300/225TT90 | 300/225mm CorriPipe™ Unequal 90° Tee |

Larger fabricated sizes available on request.



## CorriPipe™ Sewer Tees

Sewer Tees are used to T-off 110/160mm single wall sewer to Twinwall pipe.



| CODE:         | DESCRIPTION   |
|---------------|---|
| 150/SWS6"TT90 | 150mm CorriPipe™ 90° Sewer Tee to connect 110/160mm single wall sewer |
| 225/SWS6"TT90 | 225mm CorriPipe™ 90° Sewer Tee to connect 110/160mm single wall sewer |
| 300/SWS6"TT90 | 300mm CorriPipe™ 90° Sewer Tee to connect 110/160mm single wall sewer |

## Gullies

JFC polyethylene road gullies are designed to offer an integrated surface drainage system with enhanced water removal rates and increased flow characteristics.

Road gullies form an integral part of a total water management solution. They provide access to the surface or road drainage system for inspection and cleaning. JFC gullies have been designed to ensure the best possible flow characteristics (rounded internal corners with a smooth finish). They are available in a range of sizes and are suitable for a variety of applications.

| CODE:  | DESCRIPTION                            | CODE:  | DESCRIPTION                            |
|--|--|--|--|
|  YG01 | 940 x 698 x 450mm<br>Outlet: 110/160mm |  RG04 | 390 x 315 x 390mm<br>Outlet: 110/160mm |
|  RG01 | Ø375 x 760mm                           |  RG05 | 390 x 315 x 390mm<br>Outlet: 178mm     |
|  RG03 | Ø450 x 760mm                           |  RG06 | 315 x 390 x 390mm<br>Outlet: 110/160mm |

## Pipe Jointing Lubricant

Jointing lubricant effectively lubricates plastic pipe for safe and efficient jointing assembly.



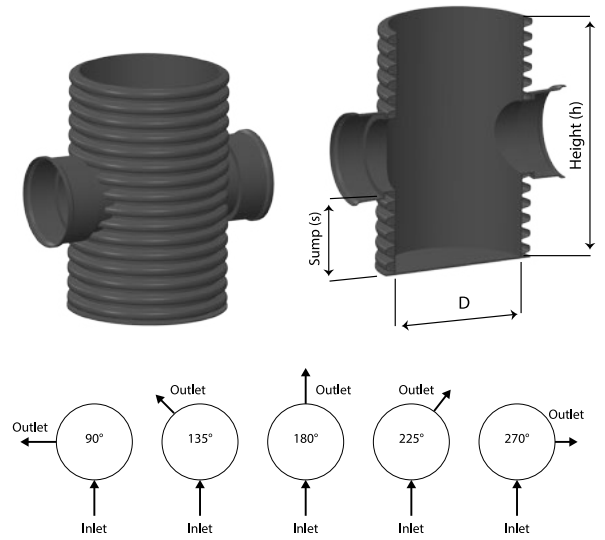
| CODE:  | DESCRIPTION                         |
|--------|-------------------------------------|
| PL1000 | 1Kg Tub - Pipe Jointing Lubricant   |
| PL2500 | 2.5Kg Tub - Pipe Jointing Lubricant |

# Catch Pits

JFC design a range of catchpits / silt traps to separate silt and other particles. This improves the quality of water before it is reintroduced back into the drainage system. As each individual SuDS system is different, they are individually fabricated to take into account water flow rates and ground conditions that differ from site to site. JFC catchpits have been widely and successfully used for applications including railway and highway drainage systems.

|                                 |   |
|---------------------------------|---|
| <b>MATERIAL</b>                 | High Density Polyethylene                 |
| <b>APPLICATION</b>              | Surface & Stormwater Drainage             |
| <b>BASE PLATE</b>               | Fully Welded                              |
| <b>CONNECTIONS</b>              | Spigots as standard (couplers on request) |
| <b>CATCHPIT DIAMETERS (Ø)</b>   | As per table below                        |
| <b>INLET &amp; OUTLET SIZES</b> | As per table below                        |
| <b>SUMP DEPTHS (S)</b>          | 300mm standard*                           |
| <b>HEIGHT (H)</b>               | As requested*                             |

\* Bespoke fabrications are made to order as per customer specific requirements - Please contact JFC for further details



Images for illustration purposes.

| CATCHPIT DIAMETER | INLET & OUTLET SIZES                            | STANDARD SUMP | MAX DEPTH |
|-------------------|---|---------------|-----------|
| Ø450mm            | 150 & 225mm                                     | 300mm         | 2000mm    |
| Ø600mm            | 150, 225 & 300mm                                | 300mm         | 2000mm    |
| Ø750mm            | 150, 225, 300, 375, & 450mm                     | 300mm         | 2000mm    |
| Ø900mm            | 150, 225, 300, 375, 450, & 600mm                | 300mm         | 4000mm    |
| Ø1050mm           | 150, 225, 300, 375, 450, & 600mm                | 300mm         | 4000mm    |
| Ø1200mm           | 150, 225, 300, 375, 450, 600 & 750mm            | 300mm         | 4000mm    |
| Ø1500mm           | 150, 225, 300, 375, 450, 600, 750, 900 & 1050mm | 300mm         | 4000mm    |
| Ø1800mm           | 150, 225, 300, 375, 450, 600, 750, 900 & 1050mm | 300mm         | 4000mm    |
| Ø2100mm           | 150, 225, 300, 375, 450, 600, 750, 900 & 1050mm | 300mm         | 4000mm    |

## Features & Benefits

- Fast Installation.
- Designed to fit JFC CorriPipe.™
- Pre-Fabricated.
- Catchpit covers available on request.
- Bespoke as per customer specifications.

## Quality Assurance

JFC Catchpits - Network Rail Certificate of Acceptance PA05/05929.

# CorriDuct

CorriDuct is a Twinwall high density ducting pipe manufactured by twin extrusions process in which the two layers are simultaneously extruded one inside the other and heat welded together in one continuous process. It is suitable for the protection of electricity, gas and water supply services, street lighting cables and fibre optic cabling for television and telecommunications. It is supplied in black as standard.

| PRODUCT CODE | DESCRIPTION                          | INTERNAL DIAMETER | OUTER DIAMETER | LENGTHS / PACK |
|--------------|--------------------------------------|-------------------|----------------|----------------|
| 110TPU       | 94mm duct (6m Length Incl. coupler)  | 94mm              | 110mm          | 100            |
| 118TPU       | 100mm duct (6m Length Incl. coupler) | 100mm             | 118mm          | 81             |
| 150TPU       | 150mm duct (6m Length Incl. coupler) | 150mm             | 178mm          | 33             |

## Colours Available

CorriDuct is available in the following colours:

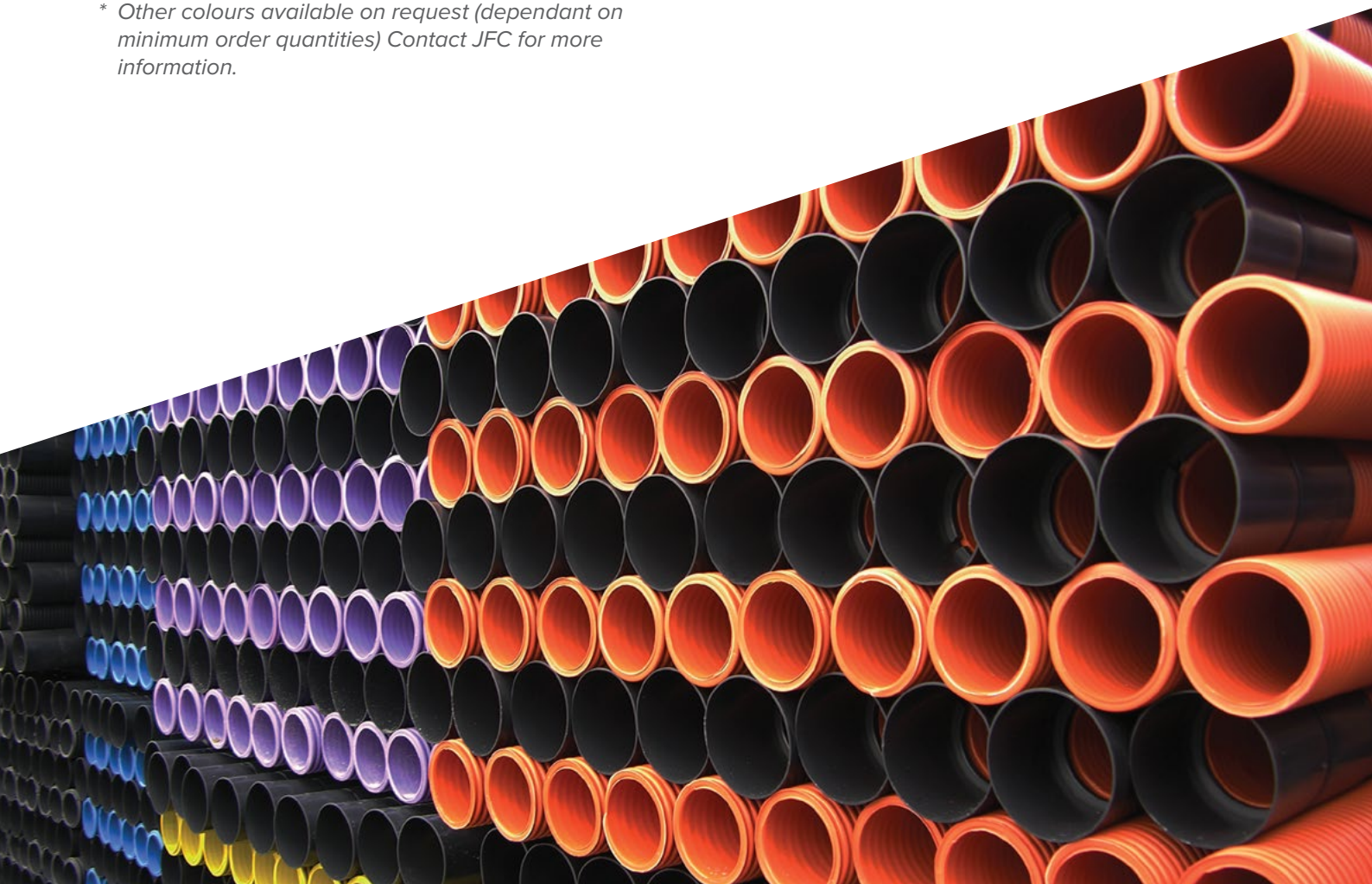
| CODE:  | COLOURS                                  |
|--------|--|
| 110TPU | Black, Purple, Orange, Grey, Green & Red |
| 118TPU | Black, Purple, Orange, Grey, Green & Red |
| 150TPU | Available in Black as standard*          |

\* Other colours available on request (dependant on minimum order quantities) Contact JFC for more information.

## Quality Assurance

CorriDuct is manufactured and certified to the following specification:

- BS EN 61386-24 - Conduit Systems for Electrical Installations
- Quality approved to internationally recognised ISO 9001-2008 standard.





# CIVILS

*Quality Plastic Solutions*



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