Introduction to Ancon

Ancon designs and manufactures high integrity steel products for the construction industry, supplying customers worldwide in a variety of sectors from small-scale residential developments to major infrastructure projects.

Ancon’s origins date back to 1882 when ‘George Clark’ was founded in Sheffield, England. The Ancon name came from ‘Ancon Stainless Steel Fixings’, which was founded in 1971 and merged with George Clark in 1993.

The company’s 72,000ft² head office and main manufacturing site is still located in the city of Sheffield, world renowned as the traditional centre of the stainless steel industry. Today, Ancon has 350 employees at three UK manufacturing sites and eight overseas operations located in Australia, United Arab Emirates, Germany, Switzerland and Austria.

Ancon’s UK sites are capable of producing a high volume of standard products on very short lead times, and bespoke products specifically engineered to meet individual project requirements.

On a daily basis, Ancon’s technical staff liaise with project teams throughout the world, advising on the most cost-effective and practical construction solutions.

The company’s impressive project portfolio includes:

- London St. Pancras Station, UK
- Ferrari World, Abu Dhabi
- Brisbane Airport Link Road, Australia
- Thessaloniki Metro, Greece
- Stade de Suisse, Switzerland

For more information on Ancon’s products and services please email info@ancon.co.uk, call +44 (0) 114 275 5224 or visit:

www.ancon.co.uk

- www.anconbp.de
- www.ancon.ch
- www.ancon.at
- www.ancon.ae
- www.ancon.com.au

Ancon’s management systems comply with ISO 9001, ISO 14001 and OHSAS 18001
Corporate Social Responsibility
Ancon is committed to ethically and responsibly managing all aspects of its operations. Read exactly what this means in practice by requesting a copy of Ancon’s CSR report.
Horizontal Support

**Masonry Support Systems**
Both AnconOptima and the Ancon MDC system provide a continuous angle in the external masonry leaf. AnconOptima is a standard system, available from stock. MDC systems are designed to suit specific applications.

Ancon Individual Brackets are ideal for the support of soldier courses, or brickwork which is either curved on plan or arched.

Stonework supports include corbel angles and adjustable individual brackets.

Masonry Support Systems can now be supplied with Thermal Breaks to minimise heat loss through cold bridging, and improve the energy efficiency of your building project.

**Lintels**
The Ancon lintel range suits the majority of wall constructions and load conditions. Special lintels can be manufactured to suit architectural features and non-standard applications.

**Channel & Bolt Fixings**
A wide range of channels and bolts are available to fix stainless steel masonry supports and restraints to any type of structural frame.
Strengthening Masonry Panels

**Windposts & Parapet Posts**
Ancon Windposts span vertically between floors. Profiles include channel and angle sections. They are designed to suit specific applications and are supplied complete with all end connections and wall ties.

**Masonry Reinforcement**
Ancon AMR masonry reinforcement locates in the bed joint. The longitudinal wires are flattened to less than 3mm. Standard configurations suit a wide range of structural load conditions and wall widths.
Masonry Restraints

Wall Ties & Other Restraint Fixings
Ancon manufactures wall ties in a variety of lengths and types for restraining brick, block and stone. These restraints can be designed to fix to concrete and structural steel as well as any type of masonry.

The standard wall tie range includes solutions for traditional brick-to-block, thin-joint blockwork, cellular clay blockwork, timber frame and light steel studding. Many products, including those from the Staifix range, can be delivered in 24 hours and are held in stock by distributors.

The range also includes TeploTie basalt fibre wall ties, warm roof batten fixings and products for remedial work including a crack stitching kit.
Tension & Compression Systems

In addition to providing a high load capacity, these stylish Ancon systems meet the demanding aesthetic requirements of today’s architectural applications. Both systems are available in carbon and stainless steel in a variety of sizes and finishes including hand polished.

Components combine to create fixing solutions for staircases, canopies, timbers and large areas of glazing.

Tension Systems comprise high strength bar, fork connectors, locking nuts, couplers and anchor discs.

Compression Systems comprise high strength tubes, fork connectors and locking nuts.
Accommodating Shear

Shear Load Connectors
Installed at expansion and contraction joints, Ancon shear load connectors are more effective at both transferring load and accommodating movement than plain dowel bars. Each connector is a two-part assembly, comprising a sleeve and a dowel component. Products are available for joints in ground bearing and suspended slabs. Free design software is available.

The range includes a unique “Lockable Dowel” designed for use at temporary movement joints in post-tensioned concrete frames.

Punching Shear Reinforcement
Ancon Shearfix consists of double-headed studs welded to flat rails. It is used within a slab to provide additional reinforcement around columns, protecting the slab from the effects of punching shear. Free design software is available.
Continuity of Reinforcement

Reinforcing Bar Couplers
Couplers can be used to replace long bars, simplify design details, reduce rebar congestion and accelerate the speed of construction. The Ancon range includes parallel threaded, tapered threaded and mechanically bolted couplers.

Reinforcement Continuity Systems
Ancon Eazistrip consists of pre-bent bars housed within a galvanised steel casing. Once installed, the protective cover is removed and the bars are straightened.

Ancon Starter Bars are supplied fixed to an Ancon coupler. Once cast in concrete, the coupler’s end cap is removed and a tapered thread continuation bar is installed with a calibrated torque wrench to complete the connection.

The latest addition to the range is the Ancon KS Threaded Anchor, which minimises congestion in a wall. Connection to the anchor can be made with either a Bartec threaded bar or a metric bolt.

Further information & services
- Technical Advice
- CPD Seminars
- Project Management
- Distributor Sales Support
- Product Approvals
- Installation Guidance
- Technical Literature
- Online Resource 24-7

Tel: +44 (0) 114 275 5224
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Stainless Steel Reinforcement

**Thermal Breaks**
These systems are used to minimise cold bridging at balcony locations and other places where structural connections pass through the building envelope. Ancon Isolan connectors comprise duplex stainless steel shear reinforcement and rigid CFC-free polystyrene insulation and are used at concrete-to-concrete connections. Thermal breaks for steel-to-steel and steel-to-concrete connections are also available.

**Reinforcing Bar**
Ancon supplies stainless steel plain and ribbed bar direct from stock. Bars can be supplied cut to length, bent and threaded to suit any application.

**Corner Guards**
Ancon Corner Guards protect exposed edges of columns and walls in areas of high traffic, such as car parks and warehouses. Where aesthetics are important, stainless steel corner guards can be supplied with a satin-polished surface finish.

**Engineered Bar Solutions**
Ancon has a wealth of experience of working with various types and grades of stainless steel, and produces special fabrications to suit individual customer requirements. Both one-off and volume orders have been supplied to various industries such as Building, Infrastructure, Water Treatment, Nuclear and Mining.

Ancon has an impressive project portfolio in the Tunnelling Industry and is a member of the British Tunnelling Society.
These products are available from:

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