



The professionals in coated pipelines





BSR - a reliable choice

"At BSR safety comes first. As RoSPA gold award winners we are totally committed to maintaining our excellent safety record."

At BSR we have extensive experience in the application of pipe coatings. Since 1988 we have coated more than five million metres of linepipe to a consistent, high quality. Our broad spectrum of customers includes multi-national companies and independent North Sea operators in addition to linepipe manufacturers. Many of our customers come back to us repeatedly because they know they can rely on our products and our full support.

Our skilled and experienced people apply a range of external and internal coatings with constant care and precision – whatever the order size or complexity. We do it safely and efficiently. We also offer a variety of pipe-related services – along with sound advice. Everything we do is geared to individual customer needs, preferences and programme requirements.

A comprehensive range

We have reduced our machine set-up times to offer a fast turnaround for fusion bonded epoxy, multi-layer and internal pipe coatings. All coating materials are from approved and internationally-recognised suppliers. We work closely with suppliers to expand and improve our coatings range. Our modern, flexible plant ensures that we can service a wide range of requirements – from large coating orders for multiple pipe sizes to 'one-off' specials.

"Our external coatings offer excellent anti-corrosion protection. Our internal flow coats deliver enhanced gas throughput rates."

Product/Service	Benefits
External Coatings Pipe diameters: 60.3mm (2") - 1219mm (48")	
Fusion bonded epoxy (FBE)	<ul style="list-style-type: none">● Anti-corrosion protection over the widest temperature range● Excellent long-term adhesion to steel● High resistance to cathodic disbondment● Well suited to reel laying methods● Suitable for use under concrete weight coatings
Abrasion resistant (Double-coated FBE)	<ul style="list-style-type: none">● Benefits as for standard FBE● Enhanced mechanical strength properties for protection during pipe laying
Three-layer polyolefin	<ul style="list-style-type: none">● Choice of polyethylene or polypropylene material● Anti-corrosion protection for pipelines at high operating temperatures● High resistance to mechanical damage● Well suited to reel laying methods● Suitable for use under concrete weight coatings
Internal Coatings Pipe diameters: 114.3mm (4.5") - 1219mm (48")	
Epoxy flow coat	<ul style="list-style-type: none">● Improves gas flow by up to 15 per cent● Excellent long-term adhesion to steel● Protects internal surfaces during long periods of storage
High build epoxy	<ul style="list-style-type: none">● Quality assured application process as approved by Drinking Water Inspectorate (DWI) for potable water
Additional Services	
Rough coat	<ul style="list-style-type: none">● Can be applied to all external coatings● Provides an increased co-efficient of friction● Increases shear resistance during pipe laying operations
Anode pad attachment	<ul style="list-style-type: none">● Anode pads installed prior to coating application, offering improved quality assurance.

All coatings available on pipe lengths of 9 metres - 13 metres

Getting it **right**

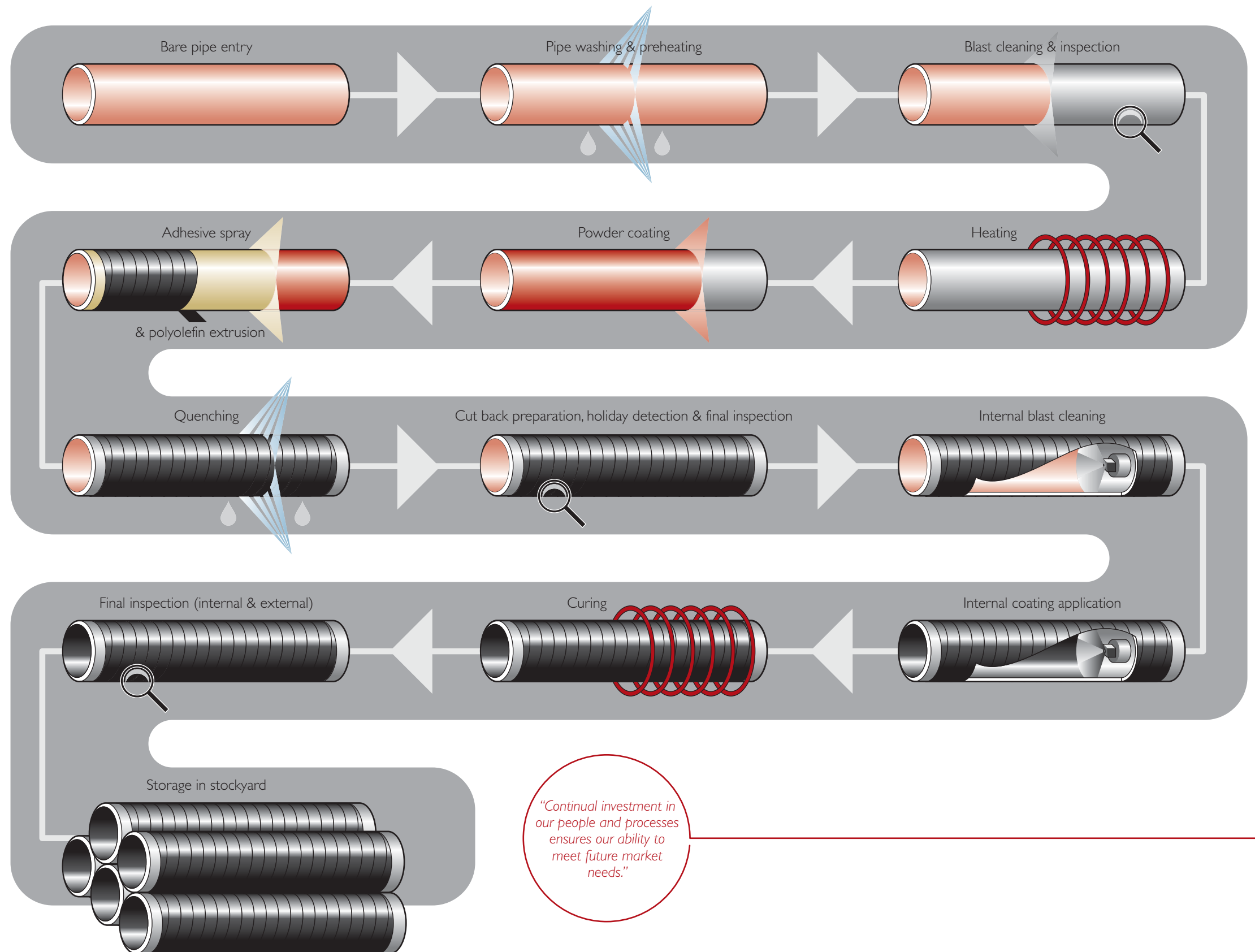
We employ stringent work practices to ensure that our coated linepipe meets exacting and precise specifications – every time. Our plant is maintained and managed to the highest standards to deliver a reliable performance. Our coating process lines incorporate multiple test and inspection stages in addition to initial pipe receipt and final inspections. Infra-red detection equipment monitors ambient and pipe temperature parameters; coating application is meticulously controlled.

In-line inspection is backed up by test and analysis equipment at our on-site laboratory. We run batch tests on powder coating supplies and conduct ring tests on finished pipe samples. Our laboratory team undertakes cathodic disbondment testing to ensure coating adherence, coverage and depth meet specification.

Before blast cleaning, we protect all bevelled pipe edges with steel end caps as standard. And because good pipe preparation is a key factor in the correct application of coatings, we pay particular attention to the cleaning process. We grit blast – selecting the most appropriate grades of grit – and we control blasting speed to ensure optimum results.

Our people utilise expertise and experience derived from the steel, coatings and hydrocarbons industries. They understand the criticality of coated linepipe performance. Our commitment to delivering world-class coated linepipe is reflected in the fact that several of our team members hold the British Gas Coating Certificate. To maintain skills and keep abreast of coating technology, we invest in an ongoing training programme and are represented on the Coating Conference committee.

Pipe **coating** process





Responding to your **needs**

"Our people are knowledgeable and approachable. We work with customers to provide practical and effective solutions."

Our managers and team leaders have a 'hands-on' approach and work together to plan, monitor and review the progress of orders on a daily basis. We believe in straight talking and sharing knowledge and we extend the courtesy of honesty and fair dealing to all our customers.

We can access the global network and expertise of our parent companies, Corus and Ramco, but we run our coating plant independently and are able to respond swiftly, flexibly and effectively to the needs of our customers. Our people are resourceful and amenable and we approach each customer request with an open mind and a 'can do' attitude.

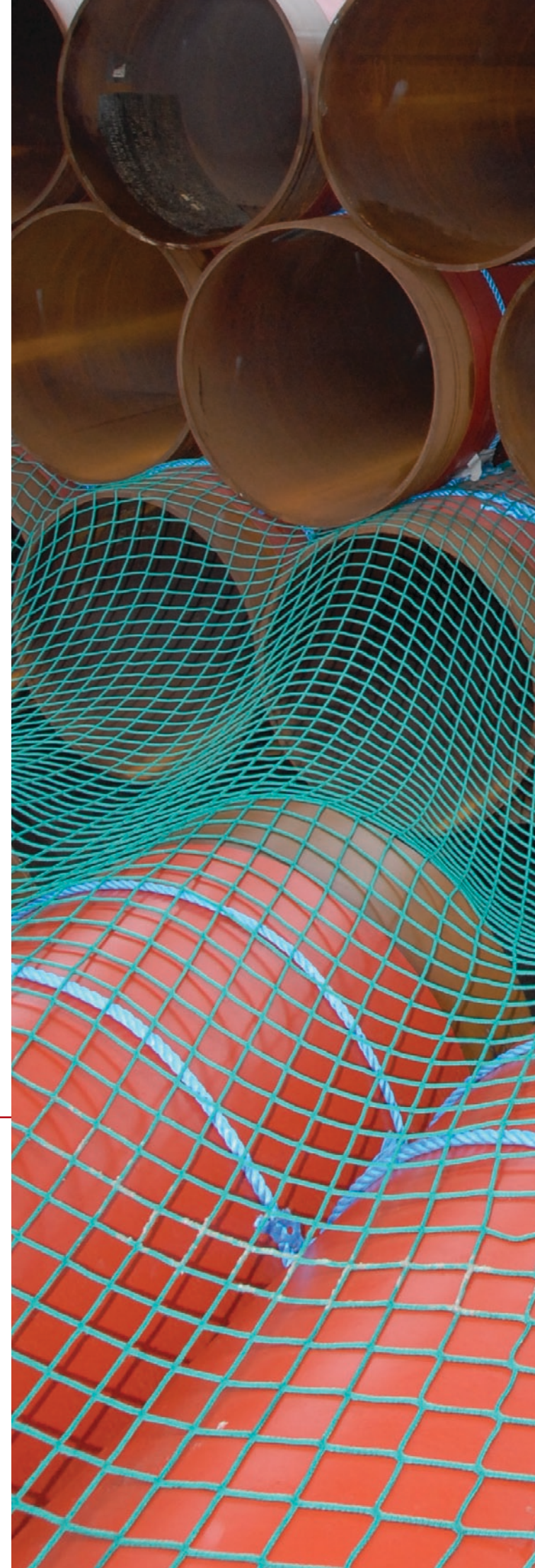
Our allied **services** and support

Our coastal location, at Hartlepool in the north-east of England, is ideally placed for North Sea operations. Good sea, rail and road links also ensure an efficient service to onshore operations throughout mainland Europe and the UK.

We have a large site and can offer extensive storage facilities to our customers. For instance, we hold and manage the strategic gas pipeline stock for National Grid, inspecting and repairing pipe if required and coating it to order.

We have a proven track record in setting up pipe storage yards for our customers. Our stringent control and recording of unique pipe numbers ensures complete traceability from receipt of linepipe at our plant to final delivery of coated products to our customers.

"We offer a range of pipe-related services including storage and inspection. Our services are tailored to meet customers needs and programme timescales."





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