





CONTENTS

3	Welcome
5	Overview
6 - 7	Case Study SGB Dyrham House temporary roof and elevations
8 - 9	Installation Services
10 - 11	Case Study Lyndon Scaffolding Runcorn Bridge grit blast and painting containment
12 - 13	Tufcoat Training
14 - 15	Case Study Skanska Barts and the Royal London Hospital encapsulation
16 - 17	Analysis
18 - 19	Product Features
20	Case Study Piriou Naval vessel shelter for construction
21	Case Study GKR Scaffolding Royal Mail Sorting office encapsulation
22 - 23	Case Study Isleburn Oil and gas equipment preservation
24 - 25	Custom Projects
26 - 27	Case Study Interserve Nuclear modules encapsulated for transport protection
28 - 29	Case Study Airbus A380 wing set covers for transport protection
30	Accreditations
31	Contact

WELCOME



Tufcoat manufacture and install shrink wrap materials for construction, industrial and marine projects, providing a fully recyclable, shrink-to-fit sheeting system.

We deliver this system through two distinct areas of operation.

Supplying shrink wrap materials & training to a wide customer base predominantly in the UK and Europe. Managed from the South West offices and warehouses based throughout the UK. However, we also hold stock in our warehouse based in Spain which services our customer base in the Mediterranean.

The second operation encompasses the installation of our product by our trained workforce. Supported by our offices in South West and Central England, we have teams which operate from bases in the Midlands, South East and South West giving us a comprehensive coverage of the UK.



TUFCOAT APPLICATIONS

- Weather Protection
- Environmental Containment
- Transportation Protection
- Debris Control
- Fabrication Tents
- Protection for Special Coatings
- Scaffolding Temporary Roofs
- Internal Factory Partitions

OVERVIEW



Pride in service, quality and expertise

Our aim is complete customer satisfaction: something we take very seriously at all stages from first contact to after sales service. Delivering this aim is the basis for our core values of expertise, service and quality.

We work with companies who are concerned about avoiding delays caused by adverse weather conditions or who need to prevent potential environmental contamination through applications like shot blasting. Also, companies who need to maintain a controlled environment for painting or fit-out, or who just want to ensure their project is professionally screened off to maintain site appearance.

We use a fully recyclable shrink wrap sheeting system that can be fitted to provide a complete hermetic seal against weather and dust ingress or egress. The sheeting remains intact in high winds so that the integrity is maintained and work can continue unaffected in all weather conditions, avoiding delay penalties and environmental clean-up costs.



DYRRHAM HOUSE [SOUTH GLOUCESTERSHIRE]

PROJECT: SHRINK WRAP ELEVATIONS AND VIEWING PLATFORM

PURPOSE: SCAFFOLD ENCAPSULATION FOR WEATHER PROTECTION

PARTNERS: SGB, NATIONAL TRUST

PRODUCT: 300 MICRON, FLAME RETARDANT TO EN 13501-1:2002

CASE STUDY



Temporary roof for restoration of heritage site

Tufcoat carried out an installation project for conservation works taking place at Dyrham Park. Shrink wrap was used in tandem with a Keder roof to encapsulate a 500 tonne scaffold structure supplied by SGB and provide weather protection for a site which is open to the public.

The National Trust commissioned the roof and stonework restoration of a Grade I listed 17th Century mansion, which had started to experience leaking after 160 years. The roof was completely replaced, which equated to removing and replacing 8000 slate tiles and 46 tonnes of lead.

The project required a solution that would allow the restoration to continue regardless of the weather and would ensure that no rain reached the exposed roof area where works were taking place.

Using approximately 2000m² of our 300µm flame retardant shrink wrap, we encapsulated the sides of the scaffold structure. Along with the Keder roof, this created a weatherproof environment which prevented project downtime and damage to the sensitive roof works.

Dyrham House remained open to the public while the restoration took place, allowing visitors to go inside the shrink wrapped area. For this purpose the scaffold structure had a 230m long walk way around the building's roof with two viewing platforms, so that visitors could see the restoration works as they took place.

Using Tufcoat shrink wrap meant that Dyrham Park could effectively deliver this unique opportunity for the public to witness the heritage conservation project and also ensured their safety, whilst also preventing exposure to adverse weather.



INSTALLATION SERVICES



Regional teams with nationwide reach

Tufcoat provides a shrink wrap installation service with experienced teams, supported by on-site supervisors and key account management.

We ensure that communication is maintained throughout a project through liaison with both site managers and off-site clients.

Tufcoat are a leading specialist in shrink wrap installations; for ten years our teams have worked on a diverse range of projects in the construction, industrial and marine sectors, giving us a wealth of experience. We know we can deliver a quality installation service every time.

Our shrink wrap installation service is supported by a dedicated Installation Manager, responsible for delivering specific risk assessments, method statements and final handover documents to sign off of the installation, meaning you can have the peace of mind that your project is in capable hands at every stage of the process.

We have a number of teams based around the country covering all areas of the UK and can offer our services internationally on quotation.

Our installation teams have been trained to meet the high standards of practice we expect. This ensures each installer is fully competent with the installation process and safety requirements for any project that arises.

As well as shrink wrap application, we can provide extensive advice and support throughout the project. Our Installation Manager can make recommendations about the products and processes most suitable, based on the project details supplied to us during quotation.



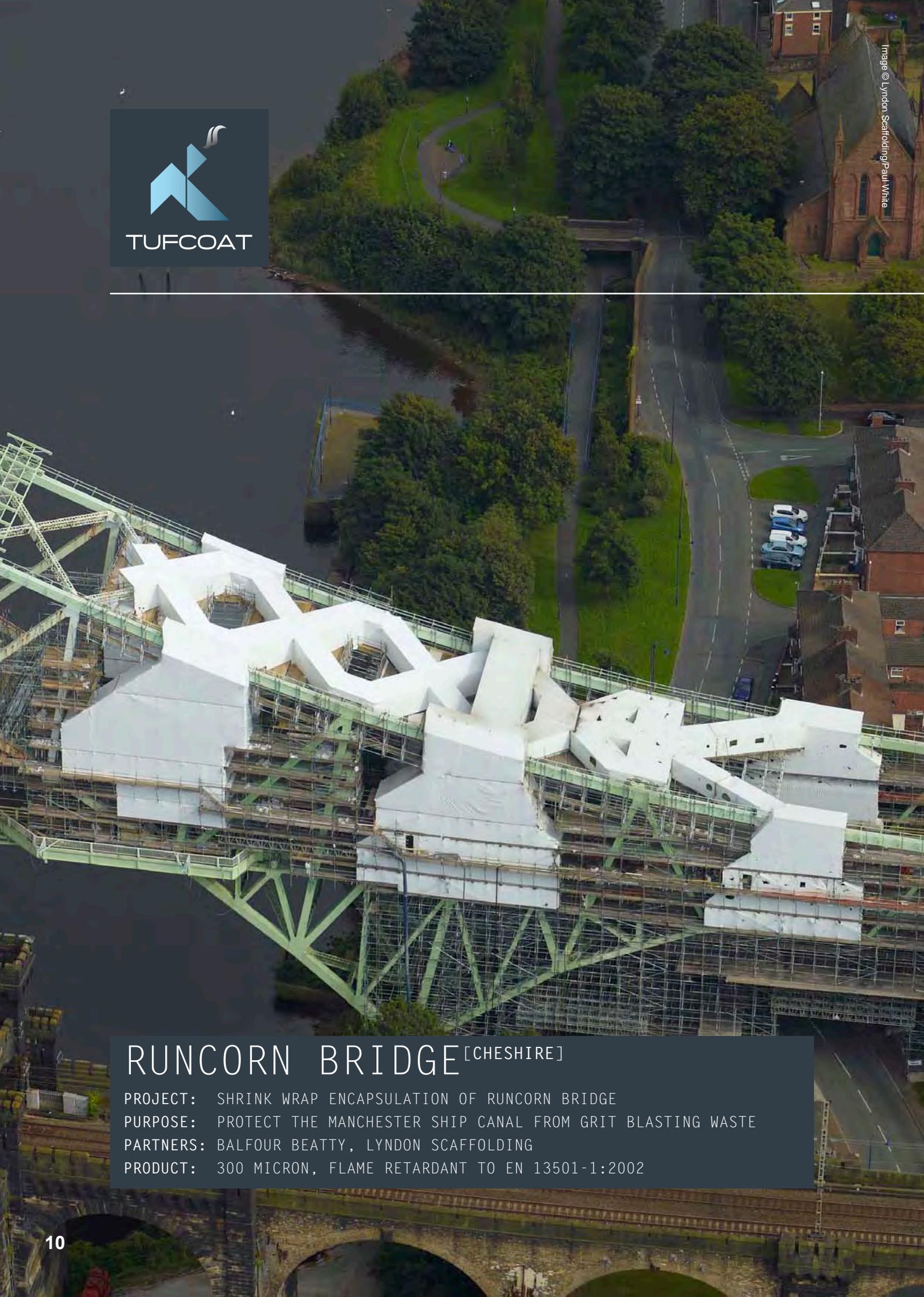
INSTALLATION CAPABILITIES

- Specialists within construction, industrial and marine sectors
- 'Local service' provided throughout the UK
- Highly skilled installation teams
- Dedicated PTS & LUCAS teams
- 25 week guarantee on all installation projects*

*Terms and conditions apply



Image © Lyndon Scaffolding/Paul White



RUNCORN BRIDGE [CHESHIRE]

PROJECT: SHRINK WRAP ENCAPSULATION OF RUNCORN BRIDGE
PURPOSE: PROTECT THE MANCHESTER SHIP CANAL FROM GRIT BLASTING WASTE
PARTNERS: BALFOUR BEATTY, LYNDON SCAFFOLDING
PRODUCT: 300 MICRON, FLAME RETARDANT TO EN 13501-1:2002



Grit blast containment of Silver Jubilee Bridge

As part of a four year project carrying out maintenance and repairs to the Silver Jubilee Bridge, Tufcoat, contracted on behalf of Lyndon Scaffolding for Balvac, completed the shrink wrap encapsulation of the Runcorn end of the bridge.

The project required 5000m² of shrink wrap to contain debris created by the removal of the existing paintwork by grit blasting and application of a new paint system.

Protecting the environment was paramount so strict parameters were in place to deal with the hazards of the work and in particular to prevent pollution of Manchester Ship Canal and the River Mersey which both pass under the main span.

Over a 12 week period, Tufcoat installation teams began the encapsulation process. Dividing the structure into nine sections with each pier, spandrel and trestle shrink wrapped. Tufcoat flame retardant shrink wrap was used, meeting the strict building and environmental requirements, a final seal was also installed to ensure the blasting works were fully contained.

The work undertaken has been exposed to some of the most extreme weather conditions, particularly over the first seven weeks with considerable rainfall and gusts in excess of 100mph.

Tufcoat shrink wrap remained drum tight without areas detaching and only minimal damage caused as a result of these winds was repaired using a Tufcoat specialist adhesive tape ensuring that the containment remained in tact for the length of the project.



SHRINK WRAP TRAINING



Delivering shrink wrapping skills in context

When you train with Tufcoat, you're training with the very best in the business.

Our instructors hold professional development qualifications and can train your team not only to recognize excellence, but to maintain and build on it through continual improvement.

Tufcoat have been delivering training sessions for nearly 10 years, having issued in excess of 1000 certificates.

We've helped develop and shape many of the UK's shrink wrapping professionals, so our experience means a lot, and when you train with us you benefit from this experience.

Your business is unique, so we are able to offer a tailor made training solution to suit you. Whether you are a scaffold contractor, industrial service specialist or operate within the marine sector, Tufcoat can deliver a bespoke training solution to meet your requirements.

The Tufcoat shrink wrap training course is delivered by a mix of a theory and practical skills ensuring that attendees finish with the confidence and knowledge of shrink wrap installation.

Typically a session is completed in a day, with ideally 4 attendees. This ensures each person has sufficient time to become fluent with both the product and the tools.

Although based in the UK Tufcoat trainers can travel overseas to deliver training with sessions previously delivered in Ireland, Europe and the Middle East.



TRAINING SESSIONS OVERVIEW

- How Tufcoat products work and the application in different markets
- Equipment familiarisation and tool box talk
- Health and Safety review, including hot works and working at height
- Practical one on one instruction of core shrink wrap skills
- Final assessment of course attendees' competency and certification



BARTS AND THE ROYAL LONDON HOSPITAL [WHITECHAPEL]

PROJECT: SHRINK WRAP ENCAPSULATION OF PRECAST CONCRETE FRAME
PURPOSE: ENCAPSULATE APERTURES OF FRAME ENABLING INTERNAL WORKS
PARTNERS: SKANSKA, ANGLEWEST SCAFFOLDING
PRODUCT: 300 MICRON, FLAME RETARDANT TO EN 13501-1:2002



Innovative problem solving application

The project involved the construction of two new ‘state-of-the-art’ hospitals in Central London and at a contract value of £1 billion, is one of the largest ever public private partnerships in Europe.

This innovative solution had never been used before in this context; by encapsulating the building floor by floor in this way the result is creating a weather tight envelope.

Skanska approached Tufcoat in search of a solution to provide weather protection before the concrete frame and external cladding was installed. This subsequently enabled internal building work to start ahead of schedule.

Normal practice would be to erect a scaffold and attach the Tufcoat shrink wrap sheeting to that structure. However, for this project Tufcoat battened our 300µm flame retardant sheeting around each individual opening and then applied heat to shrink the plastic ‘drum tight’ to achieve the containment. The only other method would have been to encapsulate the building as a whole, which would have resulted in major additional expense.

This solution enabled internal work to move six months ahead of schedule subsequently making huge savings from a cost perspective but also in down time and overrun fees.

Later in the project the external cladding was applied and the shrink wrap was removed in sections and recycled; the used shrink wrap was then compressed and baled on-site for delivery back to a consolidation centre for recycling, ensuring Tufcoat complied with Skanska’s strict environmental requirements.

SKANSKA

ANALYSIS



Encapsulation for protection and containment

Our approach to the process of encapsulation is the same regardless of the project; the systems and components we use define our working practices.

The primary consideration when consulting on any project is safety; all our objectives are based on this fundamental requirement.

With this focus through the entire process of product delivery, we ensure we are able to meet your needs, by shielding the workforce from environmental conditions to protecting the surroundings against the dust and debris generated on site, reducing environmental impact.

This specialised product is manufactured to contain UV inhibitors and ethylene-vinyl acetate (EVA) to prevent it becoming brittle when used

long-term. In addition it contains anti-static and flame retardant additives* to make it safe and easy to use around the work site environment.

We manufacture our shrink wrap films from our specific formula, which has been developed through rigorous testing methods. The range of films is based on our own installation teams' experience from working with the products and also our clients feedback.





TUFCOAT FEATURES

- 300µm, 250µm and 190µm thicknesses
- Widths from 5m and length up to 70m
- Available in White and Clear (custom colours available)
- Flame Retardant to BS:EN13501 (UK and European standard)
- UVI, EVA Additives for low temperatures and high winds

PRODUCT FEATURES



Specialised products for each market

Tufcoat manufacture three grades of shrink wrap, 190, 250 and 300µm. Each weight of film has a different target market based upon the specification of the film, its size and additives.

300µm is the most widely used shrink wrap material, specifically in the construction sector, not only due to its strength but also to the flame retardant additives that the product has in its formula.

The flame retardant properties of these rolls mean that they not only meet the BS:EN13501 Class B regulations but also comply with construction site insurance requirements in the UK and Europe.

250µm Professional grade has been developed to be used in similar areas to the 190µm but allow the film to be installed in wind speeds above that which is normally recommended; the extra gauge over the 190µm decreases the chance of the film ballooning when being shrunk.

190µm shrink wrap is the preferred thickness for most industrial applications where oversized objects are wrapped for storage or transport.



Naval vessel shelter

Tufcoat completed a vessel shelter for French shipbuilder Piriou, enabling them to deliver a 44 metre naval training ship project, their debut navy vessel.

Tufcoat's ability to create working environments through utilising shrink wrap solutions proved to be the ideal complement for Piriou's project. Our team erected a scaffold frame around the vessel and continued to fully encapsulate the structure, allowing painting the vessel, among other tasks, to be conducted.

This solution enabled both internal and external protection from weather and prevented debris and residue from entering or leaving the site. Certain specifications to allow flexibility were demanded, such as a three metre spacing around the boat to allow for works access with a boom lift.

This sizeable project required 4,000m² of flame retardant shrink wrap and over 100 rolls of Tufcoat specialist adhesive tape. Despite the size of the task, it took just three weeks for our six man team to erect the scaffold structure and complete the shelter.

The building of the Almak proved a great success for Piriou in moving forward and diversifying in to new challenges. Tufcoat are proud to have been involved with such a project and to offer our seamless solution to help them hit their targets in the most effective manner possible.

Admiral François Dupont, CEO of DCI, commented, "The construction of the Almak is an ambitious project that has mobilized teams from Piriou and DCI for 12 months. It is a feeling of satisfaction and accomplishment that exists within the team."





Royal Mail Sorting Office

Mount Pleasant is one of the world's largest sorting offices, covering an area of 7.5 acres. It is home to an expansive set of 23 miles of train tunnels which were built to deliver the post and did so up until May 2003.

GKR provided full scaffold access to the entire external elevations of both the sorting and Post Office buildings for Mace.

Over 10,000 m² of the building's façade to the 120 year old mail facility's required extensive structural repair and enhancement work.

The old façades of the two main complexes on the site known as the POB (Public Office Building) that incorporate a large operational Post office Counter, and the LOB (Letter Office Building) where mail and parcels are sorted and distributed using the very latest technology, had been surveyed in 2009 by the RSK group. However the extent of required repair work was far greater than the surveys had originally indicated.

The 9,000m² of flame retardant 300µ shrink wrap was fitted by our installation team on the site

in Farringdon over a six week period allowing the refurbishment works to be contained and screened off from the surrounding environment.

Royal Mail regional operations director for London said: "Mount Pleasant's transformation reflects the massive change being undertaken across the whole company and is the key to place the company on a sound, secure and stable footing to provide a truly world class postal service that is fit for the 21st Century."



CASE STUDY



Oil & gas equipment preservation

Isleburn is one of the UK's largest and most respected manufacturers of equipment for the international energy industry.

Widely-regarded as a world-leader in the manufacture of bespoke equipment for subsea oil and gas projects, their projects have to withstand the elements in some of the most remote areas in the world.

Due to weather and tidal conditions there was a small window of opportunity in which the caisson had to be transported to its final location and so Isleburn consulted Tufcoat regarding the project.

Isleburn had no previous experience with shrink wrap until contacting Tufcoat with an enquiry regarding our installation and on-site shrink wrap services. We were then able to provide advice on the quality of the film and its' resistance to UV rays.

Tufcoat were contracted to prepare the 120m long 44" OD caisson to be stored until the first quarter of the following year for protection against the elements.

The caisson required preservation using 300µm 7m x 15m shrink wrap and took a four man team two days to complete with only minor repairs after winds in excess of 100mph ravaged Invergordon and the Scottish Highlands.





OIL & GAS CAISSON^[HIGHLANDS]

PROJECT: SHRINK WRAP ENCAPSULATION OF 120M CAISSON

PURPOSE: PROTECT THE MODULES FROM UV DAMAGE WHILST STORED OUTSIDE

PARTNERS: ISLEBURN

PRODUCT: 300 MICRON, FLAME RETARDANT TO EN 13501-1:2002

CUSTOM COVERS



Bespoke protection systems

Although every project has an element of customisation, we are proud of our continuing ingenuity with customers whose projects fall outside the normal requirements for our products.

Our first major bespoke contract was with Airbus in 2005 and our ongoing partnership with them stands as testament to our ability to create bespoke systems, not only by adapting common practices and standards to meet our customers expectations but also to be continually pushing the boundaries of what is currently possible.

At Tufcoat we have the capability to template assets of all sizes to be able to create bespoke protective covers for single or multiple runs.

We were able to do this with our client Bombardier when designing inductor unit covers using a series of prototypes which were used to develop a full production of covers for use.

The project also required a period of testing to evaluate the effectiveness during high speeds, prolonged use and the effect this had on the fit whilst still offering protection to the undersides of the train engine units.

This endeavour and innovative processes have afforded us the chances to work on unique projects and forge relationships with market leading clients within their own fields such as Airbus, Bombardier, Interserve, and Rolls Royce.





SERVICE INCLUDES

- Detailed pre-planning and product specification meeting
- Initial object measuring for template
- Dummy template for fit and readjustment
- Initial installation ensuring template covers fit
- Production of orders following ISO9001 procedures



TUFCOAT

EVAP D MODULES [SELLAFIELD]

PROJECT: SHRINK WRAP ENCAPSULATION OF NUCLEAR MODULES

PURPOSE: PROTECT THE MODULES FROM TRANSPORT DAMAGE BETWEEN SITES

PARTNERS: INTERSERVE, COSTAIN

PRODUCT: 300 MICRON, CHLORIDE REPELLENT FILM

CASE STUDY



Nuclear evaporator module encapsulation

Interserve prefabricated 11 modules required for the creation of the Evaporator D facility located at the Sellafield nuclear site in Cumbria, the largest nuclear project in the UK.

The modules, constructed for primary contractor Costain, varied considerably in size. The first two were each 10m high, 7.5m wide and almost 10m in length and weigh over 100 tonnes. The largest, 27m x 12.5m x 7.5m weighing over 500 tonnes.

Tufcoat provided the final seal for all of the modules, wrapping each separately in a specialist 300µm shrink wrap protective coating before the heavy-load specialist was used for transportation.

For each module Interserve requested further reinforcement between the spans in the frameworks to ease wind load during transportation ensuring the covers integrity.

In addition to constructing the modules it was necessary, in conjunction with the Highways Agency, to provide a safe route for the 1.5 km

journey between the fabrication facility and the embarkation dock at Ellesmere Port.

This involved some road alterations, the movement of street furniture and approval to use the bridge crossing over the M53 to accommodate the loads. At the dock the modules were loaded onto a barge before sailing 90 miles north to a beach adjacent to the Sellafield site on the West Cumbria Coast.

Over a 2 year period Tufcoat installation teams of up to 8 operatives provided the necessary encapsulation of the modules enabling them to arrive at Sellafield in pristine condition.



CASE STUDY



World's largest airplane wing

Airbus approached Tufcoat with a highly specialised brief, requiring a solution to protect the wing sets of the A380 aircraft from Broughton to the final assembly line in Toulouse.

Each wing is approximately 11m wide at the inboard end, tapering to 3m over its 45m length.

They are transported by sea and land as they are too big for Airbus' Beluga aircraft, which transports components from Airbus' smaller aircraft.

Tufcoat overcame four major problems from Airbus' original solution, which were:

- High initial cost of canvas covers.
- Corrosion of expensive components under covers.
- Loss of covers during transport.
- Logistics of returning covers for re-use.

The versatility of the Tufcoat solution that has been developed for Airbus is exhibited through not only completing such a high profile project but also a highly demanding one.

Airbus are one of the company's oldest customers due to the ability to deliver consistently over ten years and when combined with over 70% cost-savings annually this fully demonstrates the effectiveness of the solution.

Tufcoat's innovation has taken the process from conception to delivery and has created a process that ensures a safe, yet effective working environment.





AIRBUS A380 WING COVERS ^[BROUGHTON]

PROJECT: CUSTOM 45 METRE SHRINK WRAP WING SET KITS

PURPOSE: PROTECT WINGS FROM CORROSION DURING ROAD AND SEA TRANSPORT

PARTNERS: AIRBUS, KUEHNE + NAGEL

PRODUCT: 190 MICRON

ACCREDITATIONS



Competency, authority and quality assurance

Tufcoat work hard to ensure that we are operating in a professional manner in all aspects of the business.

We have developed our policies and procedures to allow for a quality service delivery at all times. In order to demonstrate this to our clients and staff, we are accredited to the following standards:

Company accreditations



Team accreditations





Contact Tufcoat

Based in the South West and Central England, we are able to coordinate and organise both wholesale and installation operations.

In addition we also manage warehouses in the UK and Mallorca, ensuring our clients have the most comprehensive supply of materials.

To discuss any upcoming project specifications, our products or services, get in touch.

South West

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Central

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Tel: +44 (0)1785 632 222

South West Warehouse

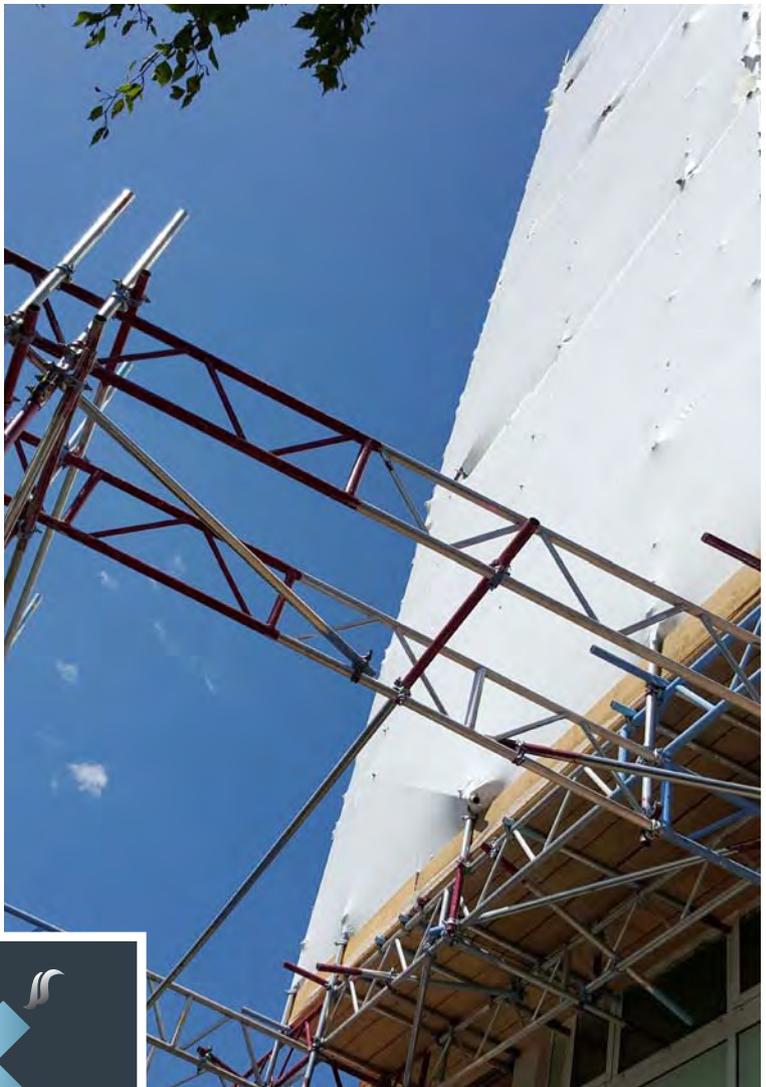
Langage Industrial Estate
Plympton, PL7 5HQ

Central Warehouse

Ladfordfields, Seighford,
Stafford, ST18 9QE

Palma Warehouse

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