



THREEFOLD SUBSTRUCTURE PROTECTION

BUILDING SAFETY ACT
COMPLIANCE GUIDE



PREMCRETE

THE SINGLE SOURCE SOLUTION

FOR BUILDING
SAFETY ACT
COMPLIANCE

CSSW
ACCREDITED TEAM

25 YEAR
SINGLE SOURCE
WARRANTY

£10M
PROFESSIONAL
INDEMNITY

PREMTRAC
QUALITY CONTROL
& TRAINING PORTAL

APPROVED
PRODUCTS
INCLUDING BBA & BDA
CERTIFICATION

IN HOUSE
DESIGN TEAM
TAKING FULL
DESIGN LIABILITY

COMPREHENSIVE
SYSTEMS INCLUDING
BASEMENT, EDGE DETAILING,
PODIUM DECK, MOVEMENT
JOINTS, PENETRATIONS
ETC.



PREMCRETE

WORKING IN HARMONY WITH THE BUILDING SAFETY ACT GATEWAYS



CONCEPT DESIGN

Establish Strategy
Intent

DETAIL DESIGN

Supply Chain Scrutiny
Design Engagement * Project Specific Design

SITE SUPPORT

Supply Chain Accountability
Quality Control

PROJECT DELIVERY

Post Occupation Support
Tracability



RIBA Stages 0-3

Strategic Definition
Concept Design
Preparation and Brief
Spatial Coordination & Planning

RIBA Stage 4

Technical Design

RIBA Stage 5

Manufacturing and Construction

RIBA Stage 6

Handover

RIBA Stage 7

In use

BSA Gateway Planning

1

Ground Investigation Report

Determine use of the structure

Substructure protection strategy

Reconfirm specification

Selecting a Waterproofing Designer

Determine Warranty requirements

Ensure training is available

Submit RIBA stage 4 design to BSA regulator

BSA Gateway Pre-construction

2

RIBA stage 4 design

Supply Chain scrutiny Site Support

BSA Gateway Pre-occupation

3

Project Delivery Capability

Post occupation support

Determine the water table risk & soil conditions.

Determine whether there is gas risk.

Determine whether there are hydrocarbons.

Determine whether there are ground heave requirements.

Specify grades of waterproofing.

Specify gas protection if required.

Specify heave protection if required.

Establish a thorough strategy intent, prior to planning to limit delays particularly in relation to contaminated land sites.

Specify the types of waterproofing.

Produce a GA plan detailing the waterproofing, gas & heave protection strategy.

Reconfirm Grade requirements.

Reconfirm ground conditions from the latest Site Investigation Report.

Reconfirm heave protection requirement.

Ensure Professional Indemnity Insurance covers for all elements of protection including water & gas protection.

Ensure manufacturer has a proportionate no. of CSSW qualified personnel as related to the scale of the project.

Undertake due diligence. Partner with waterproofing manufacturer

Review supply chain capabilities of shortlisted manufacturers.

Consider early engagement with specialist installers or groundworkers.

Determine if a collateral warranty by the manufacturer or an Insurance Backed Guarantee (IBG) by the installer is required.

Gain clarity on the product warranty duration (ie, 25 years) and whether it covers the entire substructure protection solution.

Ensure a single source warranty will be possible covering products in their installed condition, avoiding a patchwork of warranties.

Ensure training and design support is available for the project design team early on.

Ensure a robust training scheme is available for the site installation team.

Is there an In-house design capability to cope with design on demand during construction?

Is there a willingness to liaise with building warranty providers or building control during construction?

Will hands-on support with suitable construction experience be available from the manufacturer?

Are products suitably tested and do key products have Agrément certification?

Will there be a robust quality regime and regular site inspections to match project requirements?

Monitor manufacturers product availability, timely deliveries & delivery tracking.

Ensure reliability of quality control visits.

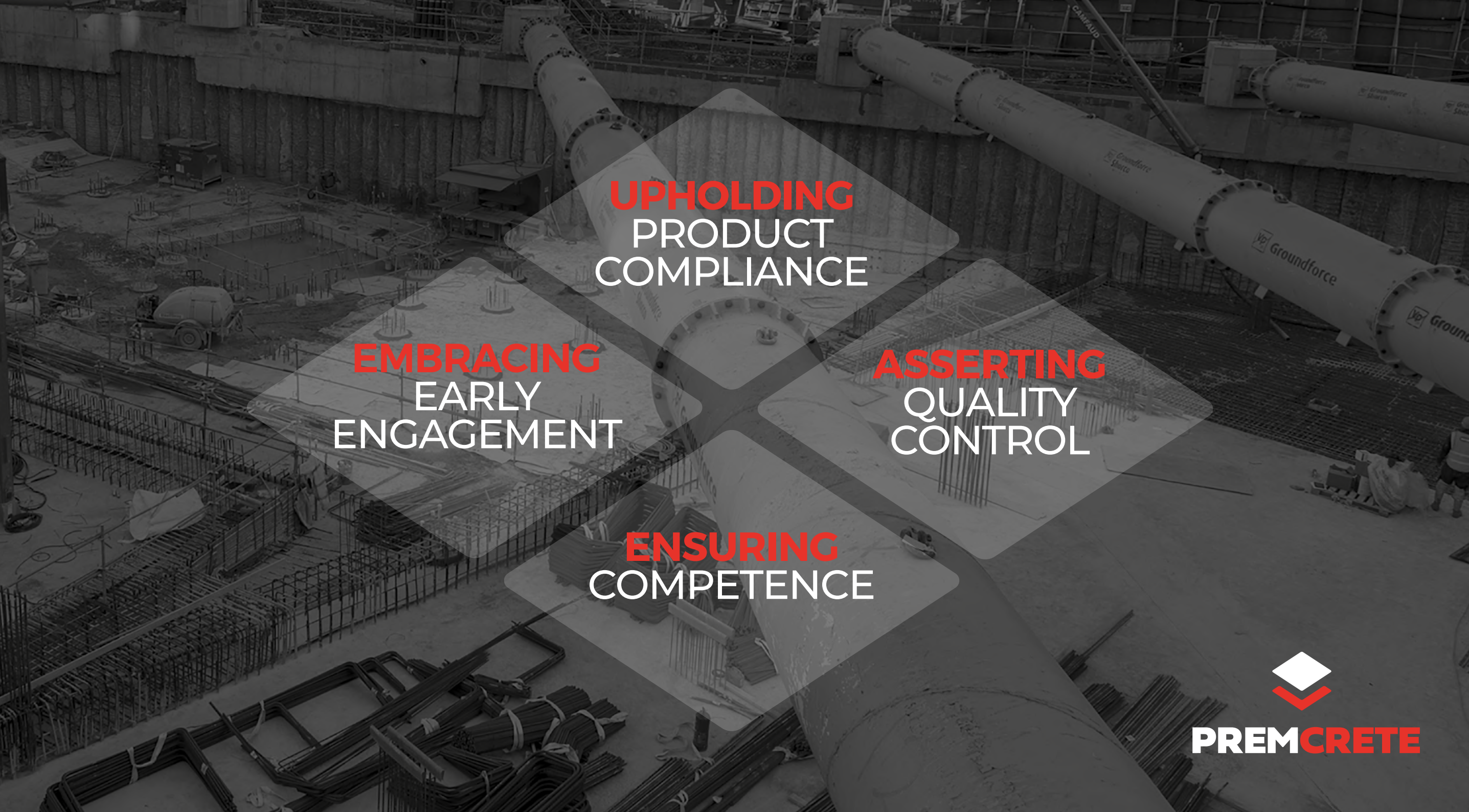
Review carbon credentials and environmental practices (i.e. Carbon Neutral Certification, ISO:14001, British Manufacturer status).

Ensure the manufacturer performs to service level agreement agreed with the subcontractor / installer.

Ensure the manufacturer upholds post occupation support & takes full responsibility to ensure a resolution is achieved in event of a defect.

Ensure the manufacturer upholds collateral & product warranty.

Ensure traceability of QC records & adherence to the golden thread of information required.



UPHOLDING
PRODUCT
COMPLIANCE

EMBRACING
EARLY
ENGAGEMENT

ASSERTING
QUALITY
CONTROL

ENSURING
COMPETENCE



PREMCRETE

UPHOLDING PRODUCT COMPLIANCE

THREE-FOLD SUBSTRUCTURE PROTECTION

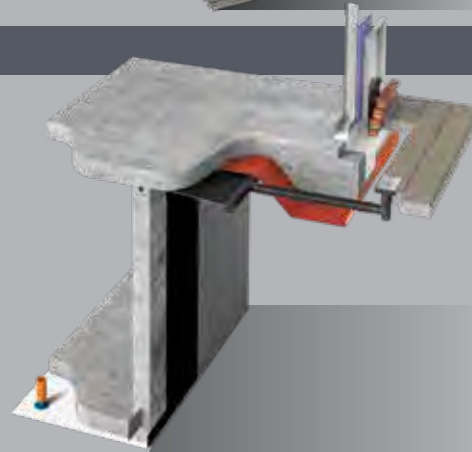
1 STRUCTURAL WATERPROOFING

The design and supply of Waterproofing systems in accordance with BS8102:2022 is simplified with Premcrete. We have a number of CSSW accredited members in the team and our core products & systems are BDA/BBA approved.



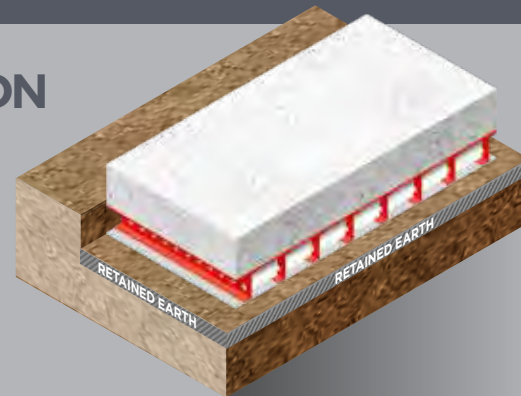
2 GAS PROTECTION

In addition to Waterproofing, we provide robust and innovative solutions for Gas Protection requirements, designed in accordance with BS8485:2015+A1:2019. Systems provide for full protection against Carbon Dioxide, Radon, Methane and VOC contamination.



3 GROUND HEAVE PROTECTION

VOID-TEK is a collapsible void former which is used to protect concrete structures from the effects of ground heave, typically associated with clay soils. When the product collapses due to ground heave, the VOID-TEK sheet will compress to a thickness of just 31mm creating the required void.



EMBRACING EARLY ENGAGEMENT

Premcrete, Powered by Prem360 to deliver unmatched 'wrap-around' support to Structural Consultants, Architects, Developers, Main Contractors, Groundworkers and RC Frame Contractors.

PREM360

THE PREM360 PROJECT CIRCLE EXPLAINED



ENSURING COMPETENCE

BRINGING YOU THE KNOWHOW WHERE EVER YOU ARE



ONSITE



INSTALLER PRACTICAL TRAINING SESSIONS



QUALITY CONTROL TRAINING



PRODUCT DEMONSTRATIONS



PRODUCT TRIALS AND TESTING

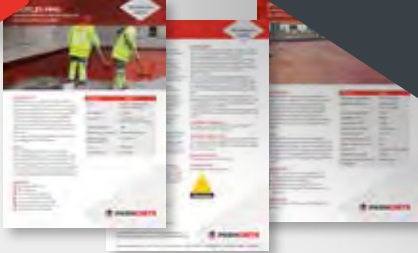
ONLINE



PREMTRAC QC PORTAL & TRAINING REGISTER



INTERACTIVE 3D MODEL & ONLINE TRAINING PROGRAM



DOWNLOADABLE TYPICAL DETAILS & DATA SHEETS



YOUTUBE 'HOW TO' VIDEOS

OFFSITE



PREMCRETE HQ TRAINING FACILITY



PRODUCT TESTING & FORMULATION



CPDs



PARTNERSHIPS WITH OTHER ACADEMIES

OFFLINE

TRAINING GUIDE



WRITTEN TRAINING PROGRAMME

TRAINING BANNERS



OFFLINE TO ONLINE QR CODES



ASSERTING QUALITY MANAGEMENT



PREMTRAC

POWERED BY PREMCRETE



QUALITY MANAGEMENT

- Contractor QC reports
- Premcrete Inspection reports
- Critical communications
- Non-conformance reports
- Photograph tagging to floorplan locations

PROJECT MANAGEMENT

- Material call off orders
- Pour layout zone records
- Automatic reminders
- Stakeholder contact details
- Inspection requests & diary management

THE GOLDEN THREAD OF INFORMATION

Premtrac is a bespoke web and app based portal designed to provide multi-stakeholder reporting for the lifetime of the project. Quality management, competence, data and project management are our four pillars to underpin the golden thread requirements of the Building Safety Act.



COMPETENCE

COMPETENCE

- Training register
- Photos of operatives
- Certificates of achievement
- Training in sequence

DATA HUB

DATA HUB

- Current technical drawings
- Technical & safety data sheets
- Change control records
- Photograph feed
- Training guides & method statements
- Training videos

QUALITY MANAGEMENT

PROJECT MANAGEMENT

FUTURE PROOFING YOUR SUB STRUCTURE



MADE IN
BRITAIN



PREMCRETE