



Sustainable Procurement Policy Requirements Guidance

Balfour Beatty UK

Balfour Beatty

Introduction

The following conditions are required to be applied where relevant and proportionate to the materials, works or services being provided.

This document sets out the minimum requirements for Balfour Beatty UK suppliers and sub-contractors to support us in meeting the commitments made in our Sustainable Procurement Policy 2016 and the goals of our Blueprint for Sustainable Business.

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Sustainable Procurement Policy

Scope

This policy describes Balfour Beatty UK's commitments to deliver sustainable outcomes through our procurement activity and is to be applied where relevant and proportionate to the materials, works or services being provided.

Suppliers and sub-contractors must also comply with our other associated policies and initiatives, including; Zero Harm; Code of Conduct and our Blueprint for Sustainable Business.

Responsibility for this policy lies with the Group CEO. The implementation of this policy is the collective responsibility of all employees, agents, consultants, suppliers and subcontractors.

Purpose

We expect our supply chain to support us in achieving 'best value for money' for our customers. We want to choose the optimum combination of whole life costs and benefits considering the environmental, social and economic impact of activities through design, material selection, manufacture, transportation, construction, usage and disposal.

Policy Statement

We will work with our designers and supply chain to ensure that where relevant and proportionate, we:

1. Environmental Limits

- 1.1 **Environmental Management** - Work to reduce the key environmental impacts of supply chain operations and work with suppliers and sub-contractors to minimise and manage these impacts and ensure legal compliance.
- 1.2 **Ethical Sourcing** - Source products, materials and services ethically through recognised credible standards.
- 1.3 **Circular Economy & Resource Efficiency** - Minimise waste and material use and give preference to materials products and services with greatest circular-economy benefits.
- 1.4 **Energy & Carbon** - Reduce the operational energy use of our projects and quantify the embodied carbon of key materials.
- 1.5 **Water** - Reduce the operational water use of our projects and quantify the embodied water of key materials.
- 1.6 **Biodiversity** - Protect and where appropriate enhance the biodiversity of our sites and manage the impact of the products and materials we buy on habitats.
- 1.7 **Air Quality** - Reduce impacts on air quality by controlling dust and harmful emissions.

2. Profitable Markets

- 2.1 **Payment** - Pay our supply chain on time to agreed payment terms.
- 2.2 **Supply Chain Development** - Improve our combined capability to deliver sustainable outcomes.

3. Healthy Communities

- 3.1 **Supplier Diversity** - Offer small and medium enterprises, social enterprises and local businesses the opportunity to participate in our supply chain and to work with suppliers who actively manage diversity & inclusion in their workforce.
- 3.2 **Developing Skills and Talent** - Recruit locally and provide opportunities for graduates, trainees, apprenticeships and work experience.
- 3.3 **Labour Standards** - Implement a proactive approach to tackling hidden labour exploitation and eliminate these practices in our wider supply chain.
- 3.4 **Community Engagement** - Engage positively with the local community and work to avoid disruption to local people.

Policy Requirements

Our policy describes Balfour Beatty UK's commitments to deliver sustainability outcomes through our procurement activity to be applied where relevant and proportionate to the materials, works or services being provided.

We expect our suppliers and sub-contractors to measure and report to Balfour Beatty on their performance against all applicable policy commitments as detailed in this document or as otherwise confirmed by Balfour Beatty

Profitable Markets

Payment

- Suppliers and Sub-contractors must pay their Suppliers and Sub-contractors on time and in accordance with the contract conditions. We have demonstrated our commitment to payment on time by signing up to the Prompt Payment Code and will publish our performance. We expect our suppliers and Subcontractors to commit to the principles of this code as a minimum and would encourage them to publish their performance.

Supply Chain Development

- Balfour Beatty has a minimum expectation that Suppliers and Sub-contractors will have a sustainability and sustainable procurement policy.
- Suppliers and Sub-contractors are expected to have a sustainability representative and be able demonstrate how they are changing behaviours of their employee's to improve sustainability outcomes.
- Suppliers and Sub-contractors are expected to improve the sustainability knowledge amongst their teams and we encourage them to become active members of the Supply Chain Sustainability School and work towards bronze, silver and gold level accreditation as a demonstration of competence. www.supplychainschool.co.uk
- Suppliers and Sub-contractors are expected to identify opportunities to improve sustainability outcomes and share with Balfour Beatty to improve the way we deliver our projects and achieve the goals of our UK Sustainable Procurement Policy Statement.

Healthy Communities

Supplier Diversity

- Suppliers and Sub-contractors are required to provide details to Balfour Beatty of attributable spend with Local Suppliers and Sub-contractors ('Local' is considered to be within a 30 mile radius of the project unless otherwise defined).
- Suppliers and Sub-contractors who are not classified as 'Small' or 'Medium'-Sized Enterprise's (SME's) are required to provide details to Balfour Beatty of attributable spend with SME's.
- Suppliers and sub-contractors must openly advertise any remaining supply chain opportunities (i.e. where no contractual arrangements have been agreed by the date of the main contract award).
- All Suppliers and sub-contractors shall at all times have in place, and keep updated, an appropriate Diversity & Inclusion Policy which reflects and compliments the relevant statutory provisions relating to diversity and equality Law in relation to race, sex, gender reassignment, age, disability, sexual orientation, religion or belief, pregnancy, maternity or otherwise and which includes details of their approach to monitoring, recruitment, bullying and harassment and training.

Developing Skills and Talent

- Suppliers and sub-contractors are required to provide details to Balfour Beatty of programmes and policies in place to promote local employment, including graduate programmes, apprenticeships and use of local labour, in particular for those economically inactive and disadvantaged groups or individuals as well as any attributable outcomes achieved.
- Suppliers and sub-contractors are encouraged to sign up to the 5% Club as a demonstration of commitment to work toward having a minimum 5% of our UK workforce enrolled on formalised apprentice, sponsored student and/or graduate development schemes within five years. <http://www.5percentclub.org.uk/>.

Labour Standards

- In performing its obligations under the agreement, the Supplier shall [and shall ensure that each of its subcontractors shall]:
 - Comply with all applicable laws, statutes, regulations and codes from time to time in force including but not limited to the Modern Slavery Act 2015, United Nations Global Compact and the International Labour Organization, International Labour Standards;
 - Afford their employees the freedom to choose to work for them. Employees should be free to leave the supplier after reasonable notice is served. Suppliers and Sub-contractors should not use forced, bonded or non-voluntary prison labour;

- Demonstrate a commitment to equality of opportunity for individuals and groups enabling them to live their lives free from discrimination and oppression;
- Impose working hours on their staff which are compliant with national laws or industry standards;
- Under no circumstances abuse or intimidate, in any fashion, employees and have appropriate disciplinary, grievance and appeal procedures in place;
- Work within the laws of their country;
- Take appropriate measures to ensure the health and safety of their workforce and the wider public;
- Offer wages and benefits that at least meet relevant industry benchmarks or national legal standards.

Modern Slavery

- All suppliers and subcontractors are required to provide details to Balfour Beatty of the steps they are taking to ensure Modern Slavery and Labour Exploitation are not taking place in its supply chains or in any part of its business.
- Suppliers and subcontractors are required to notify Balfour Beatty as soon as it becomes aware of any instance of Modern Slavery or Labour Exploitation taking place in its supply chains or in any part of its business.
- Supplier and subcontractors are required to:
 - Maintain a complete set of records to trace the supply chain of all Goods and Services provided to Balfour Beatty.
 - Implement annual supplier and subcontractor audits, either directly or through a third party auditor to monitor performance
- If suppliers or subcontractors are **providing products or materials that are sourced from high risk countries of origin** we will need to understand more about the steps being taking to ensure that modern slavery and labour exploitation does not occur. Suppliers will be required to provide us with the following information:
 - A copy of Modern Slavery Statement or other document detailing the steps being taken to ensure that modern slavery and labour exploitation does not occur in the suppliers business or supply chain
 - Details of the % of products / materials by value sourced / manufactured / produced by the supplier for Balfour Beatty from high risk countries of origin as defined by the [Global Slavery Index 2016](#) (Split by direct and via subcontractors)
 - or as a minimum details of the % of products / materials by value sourced / manufactured / produced by the supplier from high risk countries of origin as defined by the [Global Slavery Index 2016](#)
 - Evidence that the supplier conducts regular supply chain audits, either directly or through third party auditors to monitor performance, including;
 - Summary of audits or other activity undertaken by you or via 3rd parties to assesses labour standards in your supply chain operating in high risk countries of origin.
 - Sample of evidence confirming audits have been undertaken i.e. Audit extract or other declaration.
 - Sample or other evidence confirming action is taken to address issues highlighted at audit.
 - Copy or copies of template audits that detail the areas covered.

The highest risk countries include: India, China, Pakistan, Bangladesh, Uzbekistan, North Korea, Cambodia, Qatar, Democratic Republic of the Congo, Sudan, Iraq, Afghanistan, Yemen, Syria, South Sudan, Somalia, Libya, Central African Republic, Mauritania, Haiti, Dominican Republic, Myanmar and Turkey. For more information please visit <http://www.globalslaveryindex.org/findings/>

Please also see our [Modern Slavery & Labour Exploitation Guidance & Requirements for Suppliers](#)

Community Engagement

- Suppliers and sub-contractors are required to engage positively with the local community, and support Balfour Beatty to minimise disruption to local people by actively supporting the 'Involved' (our community investment programme) plan of the project or through their own plan and providing suitable evidence.
- Suppliers and sub-contractors must, wherever possible, provide silenced plant/equipment and enforce the use of covers, baffles and noise suppressants on Company projects.
- Suppliers and sub-contractors must discuss with the Project Lead the location and use of noisy equipment such that precautions can be taken to protect local communities and people not directly engaged in the activity.



Environmental Limits

Environmental Management

Balfour Beatty operates an environmental management system certified to ISO 14001.

- Suppliers and Sub-contractors are required to either have their own ISO 14001 certified management system or to manage the operations on our Projects in accordance with the Company certified system. As a minimum requirement suppliers and subcontractors must comply with the Company Environmental Procedures and the site Environmental Management System (EMS) or plan. Further advice on this can be obtained from the project environmental lead.
- Suppliers and Sub-contractors are required to identify significant environmental aspects and impacts in their risk assessments and document control measures in their work package.

Energy & Carbon

- Suppliers and sub-contractors must take all reasonable steps to minimise energy usage including:
 - i. reducing energy use during construction and or delivery;
 - ii. enabling energy efficiency in use i.e. providing instructions for more energy efficient use;
 - iii. developing a suitable management plan to monitor, manage, report and feedback on the performance for the above component(s); and
 - iv. co-operate and co-ordinate with others including contractors, sub-contractors and consultants, engaged in connection with the Works in furtherance of this clause.
- Suppliers of cement, bricks, concrete blocks, steel, rebar, cabling, glass, plaster, timber, PVC, asphalt and aggregates must quantify the embodied carbon (cradle to gate) of the materials and provide details to Balfour Beatty.
- Suppliers of Fleet, Plant and Equipment must provide details of fuel and energy use to Balfour Beatty.
- We expect Suppliers and Sub-contractors to evidence and validate any claims and on request Suppliers and Sub-contractors will also be required to provide us with all relevant documents relating to the embodied carbon of the products and services provided, either in the form of an LCA, Environmental Product Declaration (EPD) or carbon analysis and provide any relevant data so we can assess the impact of the product or service. This will be determined in relation to the scale of the carbon impact of the product or service. We would also expect to be kept updated on any carbon savings or losses associated with any changes in the manufacturing process of the product or service.

Air Quality

- Best practicable means must be used when planning and undertaking works to reduce or prevent emissions to air.
- Water or other means of suppression must be used to prevent dust generation.

Wagons must be sheeted when they are delivering or carrying dusty materials off-site or within site.

- Non Road Mobile Machinery (NRMM) for use on Balfour Beatty sites must have been purchased after 2010 and / or have a net power between 37kw and 560kw. NRMM used on sites must meet EU Directive 97/68/EC standard for Nitrogen Oxides (NOx) and Particulate Matter (PM) emissions. NRMM covers a large variety of engine installations in machines used for purposes other than for passenger or goods transport such as excavators, bulldozers, front loaders, back loaders.

Non Road Mobile Machinery (NRMM) Exemptions (Reviewed Annually)

The model is exempt from the emission controls and can be used if:

- I. A model of the required equipment type is not available with an engine that meets the requirement and there is no other similar compliant equipment type or model that could be used to perform the same task.
- II. A model of the required equipment type is available with an engine that meets the requirements but it can be demonstrated that this is not available in the UK supply chain in sufficient quantity for the task; and there is no other similar compliant equipment type or model that could be used to perform the same task.
- III. It can be demonstrated that the equipment is used for a period of no greater than 30 days. Please note: this is a one off 30 day period for each site. Once the 30 day period has been used it does not restart by taking the equipment off site and then bringing it back.
- IV. In addition, retrofitting to mitigate for both PM10 and NOx must be robustly considered (or if it is not possible to retrofit for both pollutants, just for PM10) before an exemption will be granted. Robust consideration can be demonstrated through the provision of a quote or similar evidence. An exemption without some form of retrofit will only be granted in special circumstances.
- V. NRMM types granted exemptions include:
 - Hydraulic Power Packs 60-450kW Average Power rating
 - 2.5 tonne telescopic handlers 55-130kW Average Power rating
 - Mobile Cranes 140-216kW Average Power rating
 - Generators 50-200kW Average Power rating

Circular Economy & Resource Efficiency (Waste)

- Suppliers and Sub-contractors should design, specify and procure materials, products and services with the greatest circular-economy benefits.
- Suppliers and sub-contractors must take all reasonable steps to minimise waste, reduce packaging and give preference to materials and products with the greatest re-used or recycled content and provide documented evidence to Balfour Beatty.
- The use of packaging should be minimised and where appropriate made from materials that can be reused, recycled, or recovered wherever feasible including the use of take back and collection services for their materials and associated packaging for subsequent reuse, recycling or recovery.
- Suppliers and sub-contractors shall make available all relevant information associated with primary, secondary and tertiary packaging in accordance with the Packaging Waste Regulations. Suppliers and sub-contractors will be required to take back any packaging deemed excess or non-compliant at their own expense.
- Suppliers and sub-contractors must contribute to our site waste management plan (SWMP) and identify potential waste streams that could arise during their works, along with estimated total quantities of each waste type that will be produced and their planned disposal route.
- Suppliers and sub-contractors must comply with the site waste segregation strategy, including the avoidance of cross-contamination of segregated (non-mixed) skips.
- Where Suppliers and sub-contractors make their own arrangements for waste storage and disposal they must provide records of all transfers from the project and provide regular reports on the type and quantity of waste reused, recycled, otherwise recovered, or disposed of to landfill.
- Suppliers and sub-contractors will be expected to demonstrate a 'duty of care' for all waste transfers.
- Where the supplier or sub-contractor is storing, processing or using waste on a project, a permit, license or exemption may be required from the Environmental Regulator. All conditions within the permit, license or exemption must be adhered to.
- Suppliers of recycled aggregate must be in full compliance of the duty of care requirements of the Waste Management Regulations or the WRAP Quality Protocol. Delivery documentation shall state that the product was produced under a quality protocol.
- Where possible Suppliers and sub-contractors should employ closed loop waste systems which utilise the waste product from one process or product in another product or process. This can be part of the same construction project or can be

through collaboration with other projects / organisations which use the waste as their raw material.

- Demolition and Deconstruction subcontractors should consider maximising the recovery of materials and resources; minimising demolition arising's through recycling and identifying reuse opportunities; the production/supply of construction materials from recovered demolition arising's; design modification to limit amount of demolition (such as façade retention and other existing structure reuse); and input into new design proposals to assist future demolition.

Water

- Suppliers and sub-contractors must take all reasonable steps to minimise water usage including:
 - I. using products with lower embodied water;
 - II. reducing water use during construction and or delivery;
 - III. enabling water efficiency in use; and
 - IV. co-operate and co-ordinate with others including contractors, sub-contractors and consultants, engaged in connection with the Works in furtherance of this clause.
- Suppliers of cement, bricks, concrete blocks, steel, rebar, cabling, glass, plaster, timber, PVC, asphalt and aggregates must quantify and provide details of embodied water (cradle to gate) to Balfour Beatty).
- Suppliers and Sub-contractors must not discharge or abstract water without permission. This includes discharging over land.
- Suppliers and sub-contractors are only to wash out concrete at designated areas.

Biodiversity / Ecology

- Suppliers and Sub-contractors must protect existing vegetation and habitats. Access to restricted areas will be prohibited.
- Suppliers and sub-contractors must stop work and report any unexpected wildlife or archaeology.
- Suppliers and sub-contractors are expected to follow the advice of the archaeology or ecology specialists.



Ethical Sourcing

When sourcing you will consider the materials, labour, products and services themselves and the ethical records of the companies behind them (to ensure the most ethical companies are rewarded and the least ethical are not) based on the following issues recognising the need for active due diligence and an approach of continual improvement;

Code of Conduct - Suppliers and subcontractors shall ensure that all factories and premises used in the manufacture and supply of products and services are compliant or can demonstrate they are working towards meeting our Balfour Beatty Code of Conduct.

Bribery & Corruption - Procure materials, products and services only from Suppliers and sub-contractors demonstrating and implementing zero tolerance to bribery and corruption, regardless of country of operation and avoid sourcing from Oppressive Regimes;

Sustainable Development - Evaluate and address together the economic, social and environmental sustainability challenges and impacts of sourcing labour, materials, products and services;

Social Value - Consider the economic, social and environmental value that is provided and agree a plan to deliver and report on this over the course of the sub-contract;

Data & Digital - Provide specifications that include social and environmental requirements in addition to technical characteristics and economic indicators, such that these will form part of a digital footprint of goods/services, suited to supporting BIM and collaborative working;

Traceability & Transparency; - Demonstrate a traceable and transparent supply chain for labour, materials, products and services;

Health, Safety and Wellbeing - Benefit the health, safety and wellbeing of all stakeholders including the natural environment;

Legality of Materials - Demonstrate materials are of legal origin;

Commodity Materials - Source commodity materials (such as aggregates, bricks, timber and steel) from the country of operation and/or project/site location, unless there is an environmental, social and economic argument to do otherwise; reduce 'materials miles' where possible, or at least show this issue has been given due consideration;

Complex/Manufactured Products - Optimise social, environmental and economic impacts and opportunities of complex/manufactured products over their entire lifecycle;

Certification & Accreditation - Specify and procure using credible and recognised responsible sourcing and certification schemes, where available;

Material Specific Requirements

Where it is identified that a material is required which is contrary to the requirements set out in this document and no suitable alternative is available, then a Concession must be sought from the Project Manager/ Project Environment or Sustainability Manager, supported by a Materials Justification Report, prior to acquisition.

Failure to seek approval may result in the material or product being removed, disposed of and replaced, with the full cost borne by the supplier or sub-contractor.

Retrospective approval will only be considered in exceptional circumstances.

Suppliers of Timber

- Suppliers and Sub-contractors must ensure that all the timber they use (including Packaging) is legally and sustainably sourced and provide documented evidence to Balfour Beatty.
- The Company will only accept procurement and use of timber and timber products from independently verified, legal and sustainable sources, such as those certified under the Forest Stewardship Council (“FSC”), Programme for the Endorsement of Forest Certification (“PEFC”) or that the forest of origin is licensed by the EU Forest Law Enforcement Governance and Trade (“FLEGT”) scheme.
- In addition a copy of your relevant current Chain of Custody (COC) certificate number relating to the material supplied must be provided on your delivery documentation and subsequent invoice to satisfy Balfour Beatty Group policies and applicable projects Ecohomes / BREEAM audits and assessments.
- For reused or reclaimed timber brought to site but not specifically purchased, a statement or other guarantee that the timber is reused or reclaimed should be provided on delivery.
- All treated timber supplied must have a certificate of treatment supplied and issued to the site at the time of delivery.
- Failure to comply with these requirements will result in the delivery being rejected or returned (at your companies expense), as non-compliant.

Suppliers of Wood / Timber Packaging

- All Wood packaging supplied on this purchase order from outside the UK from other EU countries or Switzerland must be bark-free or kiln-dried and marked “KD” to meet the EU Protected Zone requirements set out in the EU Plant Health Directive, or must be ISPM15 compliant. All wood packaging from Portugal must either be ISPM15 compliant or otherwise marked to show that it was manufactured in another EU member state. Wood packaging from outside the EU or Switzerland must be ISPM15 compliant.

Suppliers of All Packaging

- Use of packaging should be minimised and made from materials that can be reused, recycled, or recovered where-ever feasible and give preference to Suppliers and Sub-contractors that offer take back and collection services for their materials and associated packaging for subsequent reuse, recycling or recovery.
- Suppliers and Sub-contractors shall make available all pertinent information associated with primary, secondary and tertiary packaging in accordance with the Packaging Waste Regulations. Suppliers and Sub-contractors will be required to take back any packaging deemed excess or non-compliant at their own expense.

Suppliers of Steel Products or Components

- All steel for publicly funded projects must confirm its purchase point and report in accordance with the Public Contracting Regulations to meet the requirements of the Most Economically Advantageous Tender requirements noted.

Suppliers of Reinforcement Bar or Reinforced Concrete containing Reinforcement Bar

- We expect all suppliers of Reinforcement Bar to be aware that Balfour Beatty Ltd is a member of the UK Steel's Charter for British Sustainable Steel. It is a specific requirement that only carbon steel reinforcement (for use in concrete) adhering to the Framework Standard for Responsible Sourcing (BES 6001) is supplied by our suppliers, or associated agents. All steel reinforcement must be specified to comply with BS 4449 or BS 4483.
- The supply of loose cut and bent bar must be fully traceable, contain 98% Recycled Content, be CARES & ECO Approved to BS 8666 and is to be obtained from firm(s) holding valid certificates of approval.
- Any manufacture of pre-assembled MAG welded fabrications must use reinforcement bar in a specified size range to the relevant requirements of BS7123 and CARES

Quality and Operations Assessment schedules 6 and 10 using tack welds and semi-structural joints produced under factory conditions.

- All deliveries are to pre-slung and accessible from ground level with full certified lifting equipment. Flat woven webbing slings provided must be to current BS EN 1492-1:2000 standard and have CE Marking and Certification. This must be provided with each delivery or upon request as required by site.

Suppliers of Dimensional Stone

- Responsible sourcing of natural stone / primary aggregate products must be evidenced through compliance with a recognised responsible sourcing scheme (e.g. BES6001), certified by a third party. We expect suppliers to be active members in either the Ethical Trading Initiative (ETI Stone Group), TFT Responsible Stone Program, or the United Nations Global Compact and to be members of the Stone Federation GB.
- Products supplied should therefore be able to show a clear chain of custody from source to point of use. EU sourced stone will have the appropriate CE Marking and Certification provided with each delivery.
- All commercially exploited (UK) primary aggregate shall include the current HMRC aggregate levy charged at the appropriate rate where applicable.

Suppliers of Recycled Aggregates

- Suppliers of recycled aggregate must be in full compliance of the duty of care requirements of the Waste Management Regulations or the WRAP Quality Protocol. Delivery documentation shall state that the product was produced under a quality protocol". The Key requirements of the Quality Protocol are that aggregates must be produced under a factory production control system (quality management system) for them to be considered as non-waste products. Quality System in Place, Test Results – not just recent, should include back log over past year and demonstration of frequency; Quality Plan in place.
- The Quality Protocol includes the following main requirements:
 - I. Definitive list of acceptable waste input materials
 - II. Aggregates produced to a European (EN) standard or other recognized specification e.g. Highways Agency Specification for Highway Works
 - III. Quality controls for inspection and testing and dealing with non-conforming products
 - IV. Good practice for transporting storing and handling recycled aggregates.

Recycled Aggregates - Key Watch Points

- Producer must be able to provide a copy of their Factory Production Control Manual. This applies to imported recycled aggregates and aggregates produced on site.
- Waste acceptance procedures must be defined and responsible persons identified.
- The material produced must conform to one of the standards listed. A formal inspection and testing plan should be defined with sampling, test methods and testing frequencies specified.
- Testing results must be provided to demonstrate compliance with the appropriate standard.
- Sites receiving recycled materials must ensure delivery documentation includes: A clear product description and specification; and a statement that the material has been produced in compliance with the Quality Protocol (the statement of compliance with the Quality Protocol can be included on invoices or on an initial quote).

Suppliers of Volatile Organic Compounds (VOC) Products (Such as Paints, Sealants, Adhesives, etc.)

- In the case of unhealthy materials, as far as is reasonably practicable, the supplier or subcontractor shall substitute the material for a healthier alternative.
- Preference to products / materials where treatment applications are applied off site.

Material/Product	Limits of VOC, Formaldehyde and other Emissions
Form release agents	· 350g/l VOC content OR water based
Gloss paint for external or high wear use	· <50% VOC content OR Accredited under the Finnish M1 label
Primers	· <50% VOC content OR Accredited under the Finnish M1 label
Sealants	· Water based OR Accredited under the German Blue Angel Eco-Labeling Scheme
Particle boards, Fibreboards, MDF and Plywood.	· Zero-formaldehyde boards · Isocyanate bound boards · Accredited under BS EN 13986:2002 · OR accredited under the German Blue Angel Eco-labelling Scheme · OR accredited under the Nordic Swan Eco-labelling scheme

Suppliers of Heavy Metals and Brominated Fire Retardants

- Suppliers and Sub-contractors shall, as far as is reasonably practicable, minimise the concentrations of heavy metals and brominated fire retardants in products and packaging being supplied.
- The level of certain heavy metals and brominated fire retardants in electrical and electronic equipment is controlled by the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2006 (as amended).
- The level of certain heavy metals in packaging is controlled by the Packaging (Essential Requirements) Regulations 2003 (as amended).
- The total content of the heavy metals Cadmium, Hexavalent Chromium Lead and Mercury in packaging or in any packaging components must not exceed 100ppm.
- Suppliers and Sub-contractors shall keep details on the substances and materials associated with products and services supplied.

Other Materials

- Suppliers and Sub-contractors must source products and materials responsibly, taking into account environmental and social impacts and where applicable ensure they are compliant with recognised and credible standards for ethical sourcing i.e. BES6001 or as otherwise defined by Balfour Beatty
- Suppliers and Sub-contractors should avoid supplying or using materials with a high environmental, social, health or reputational risk, or those that are likely to be limited due to forthcoming legislative requirements.
- Where possible Suppliers and Sub-contractors should provide declarations on the embodied impacts of their products, by reference to bespoke Environmental Product Declarations (EPD) or documents such as the BRE Green Guide to Specification or other credible Life Cycle Analysis based tool.

Red list of materials: Do Not Use

The following shall not be used within the delivery of any BBUK contract or construction of any of our works under any circumstances.

- **Alkylphenols**
- **Asbestos**
- **Chlorofluorocarbons (CFCs)**
- **Formaldehyde (added) - The requirement is to eliminate the formaldehyde content in bound boards and products used in internal fit-out and structures.**
- **Hydrochlorofluorocarbons (HCFCs) - The requirement is to eliminate HCFC use in line with UK legislation**
- **Polychlorinated Biphenyls (PCBs)**
- **Phthalates**
- **Short Chain Chlorinated Paraffins**
- **Wood treatments containing creosote, arsenic or pentachlorophenol**

Grey List of materials: Avoid or Minimise Use

The following are materials where BBUK seeks primarily to avoid, or where no suitable alternative is available, to minimise their use.

- **Non-FSC or PEFC Timber** - The requirement is to Procure 100% of timber products including packaging from recognised responsible sources preferably FSC or PEFC in line with our procedure for Responsible Timber Procurement
- **Cement and Virgin Aggregates** - The requirement is to maximise the use of cement replacement products in concrete mixes and to maximise the use of Recycled Concrete Aggregate (RCA).
- **Hazardous Chemicals** - The requirement is to eliminate the use of hazardous chemicals covered by the Stockholm and OSPAR Conventions, whilst ensuring management in line with the European Chemicals Regulations.
- **Scarce Minerals** - The requirement is to substitute the use of scarce minerals wherever possible otherwise apply the principles of the waste hierarchy to ensure use is reduced or minerals are reused or recycled.

The following have been identified as being harmful to living creatures and where possible alternatives shall be sought.

- Bisphenol A (BPA)
- Cadmium
- Chlorinated polyethylene
- Chlorosulfonated polyethylene (CSPE)
- Chlorobenzene
- Chloroprene (neoprene)
- Chromium VI
- Chlorinated Polyvinyl Chloride (CPVC)
- Halogenated flame retardants (HFRs)
- Lead (added)
- Mercury
- Perfluorinated Compounds (PFCs)
- Polyvinylidene Chloride (PVDC)
- Hydrofluorocarbons (HFC's)
- Aldrin
- Chlordane
- p,p'-Dichlorodiphenyltrichloroethane (DDT)
- Dieldrin

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