

FUTURESTORATIVE

WORKING TOWARDS A NEW SUSTAINABILITY

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MATERIAL AND PRODUCT CERTIFICATION

PRODUCT	LIVING PRODUCT CHALLENGE	DECLARE	JUST	FOREST STEWARDSHIP COUNCIL
BRIEF DESCRIPTION	Re-imagines design and construction of products	Nutrition label for the building products	Social Justice Label	Forest Management and Chain of Custody certification
PHILOSOPHY	Regenerative	Regenerative	Regenerative	Reducing impact
CERTIFICATION LEVELS	Living Product Certification	Label	Label	Certification
PRODUCT, PLANT, MANUFACTURER	Envisions a moratorium on the insensitive placement of factories and on the extraction of raw material inputs that threaten sensitive eco-systems	A tool for transparently analysing the impact that a product has, in terms of Environment, Health and Manufacture and social factors	Just is a transparent tool for clearly analysing the impact that the manufacturer has, rather than just its products	Timber. Chain of custody. Make-up of the product, and plant practices
ENVIRONMENTAL IMPACT	Restoring a healthy co-existence with nature through responsible place and habitat. Creating products that operate within the water balance of a given place and climate	Closely linked with the Living Product Challenge, the Declare label verifies if the product meets with the LPC Red List, a list of environmentally toxic and harmful materials	One of JUST's criteria is responsible investing (in people, community, environment and country), ensuring that the company provides a positive environmental impact	The main focus of FSC is to ensure that any wood harvested maintains the forest's biodiversity, productivity and ecological processes.
HEALTH IMPACT	Creating environments that optimise physical and psychological health and wellbeing	Declare allows the consumer to know if a product carries a health impact. It also imparts more information such as whether a component of the product is potentially hazardous under another classification such as an EPA Chemical of Concern	JUST monitors health impact both within the organisation and the community. It encourages products which contribute to the community, occupational safety to employees, and close management of hazardous materials	Prohibits the use of most hazardous chemicals and GMOs
SOCIAL IMPACT	Envisions consumer and industrial goods that allow equitable access and treatment of all	By announcing if the product is aligned with the Living Product Challenge Declare also gives the product a certification of how socially aware the product is	JUST's main focus is on the social impact of the manufacturer on their workforce and outside the company.	FSC also ensures that socially beneficial forest management helps local people and society achieve long-term benefits
INGREDIENT / RECIPE TRANSPARENCY	Endorsing products that are safe for all species through time	To show each component of a product, its manufacturer, life expectancy and end of life expectations	(Not focused on specific products but the entire organisation)	The Chain of Custody certification ensures that none of a product's constituents come from non FSC rated resources (does not detail exact recipe however)
QUALITY	The product must contain design features intended solely for human delight and the celebration of culture and spirit appropriate to its function. The product must be artfully designed and pleasing to use	Simply a guide for the components of a product, the Declare programme is not focused on the quality of the product	JUST's focus is on the manufacturer not on the quality of goods that they provide	FSC does not rate the quality of the wood farmed, only that it does not adversely affect the forest and its peoples
MANUFACTURER IMPACT	The product manufacturer must advocate for the creation and adoption of third party certified standards for sustainable resource extracting and fair labour practices within its industry	Focus on the products a manufacturer makes	Non-discrimination, gender diversity, ethnic diversity, committing to full-time employment, pay scale equity, being union friendly, providing a living wage, gender pay equity, being family friendly, and many other issues	Economical viable forest management ensures that forestry is sufficiently profitable without generating financial profit at the expense of the forest resource, the ecosystem or affected communities
LINK	http://living-future.org/lpc	http://declareproducts.com/	http://justorganizations.com/	http://www.fsc-uk.org/
AUTHOR'S FUTURE RESTORATIVE 'RATING'	****	****	****	***

LIVING PRODUCT CHALLENGE

The Living Product Challenge is a certification for the entire life cycle of a product and its manufacturing process and impact. It aims 'to make the world work for 100% of humanity in the shortest possible time through spontaneous cooperation without ecological offence or the disadvantage of anyone' – Buckminster Fuller. It is a philosophy first, an advocacy second and a certification programme third. It achieves this through 20 different imperatives split into seven 'Petals': Place, Water, Health and Happiness, Materials, Equity and Beauty.

DECLARE

Under growing awareness of the health impacts of building product ingredients within the design and construction industry, material transparency and toxic chemical avoidance

are becoming increasingly important. Declare allows manufacturers to demonstrate their market leadership in transparency and toxic chemical avoidance. Declare also synergises with the Living Product Challenge aligning with the Materials and Health and Happiness petals and offers manufacturers an expanded point of entry into projects within the Living Building Challenge. Its database offers a transparent platform to allow projects to select materials to comply with the LBC.

JUST

Similar to Declare, JUST is a 'nutrition label' for organisations, allowing them to reveal information about their company in a transparent way. It is a voluntary disclosure programme through which an organisations works towards promoting diversity, equity, safety, worker benefit, local benefit and

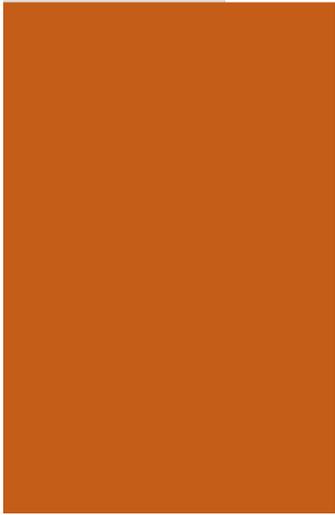
stewardship. 'JUST is, quite simply, a call to social justice action'. The JUST goals are: to elevate the discussion around social justice in all organisations, to create a common language for social justice issues, to elevate the causes of those individuals who lead these issues, to change the policies and practices of thousands of organisations worldwide, and to make life better for people from all walks of life.

FSC

The Forest Stewardship Council is a non-profit organisation focused on the responsible management of the world's forests. It provides certification with two key areas: Forest Management and Chain of Custody. It enables products to label themselves with their 'tick tree' logo, allowing consumers to purchase wood products (such as paper) knowing that the production



	PEFC	CRADLE TO CRADLE	BES6001	EPD	ISO14001
	Forest Management and Chain of Custody certification	Cradle to Cradle Certified Product Standard	Responsible sourcing of construction products	Transparent declaration of the life-cycle environmental impact.	Criteria and certification for environmental management system
	Reducing impact	Regenerative	Reducing impact	Transparency	Reducing impact
	Certification	Basic, Bronze, Silver, Gold or Platinum	Certification: Good, Very Good and Excellence	Declaration	Certification
	Timber Chain of Custody Certification for products and plant	Product, plant, manufacturer	Product / Plant	Product	Manufacturer
	Ensures that the forest maintains or enhances biodiversity, and protects ecologically important forest area	Designing products made with materials that come from and can safely return to nature or industry	The traceable constituent materials (at least 60% of the total materials) shall be traceable to suppliers with a documented environmental management system ISO 14001	As a part of ISO 14025 Type III environmental declaration the primary / only concern of an EPD is environmental impact of the product	Ensuring that the company follows guidelines in environmental policies, the scope of the environment, the operation of the company, performance evaluation and improvement to the company the environmental impact is quantified and reduced
	Prohibits the use of most hazardous chemicals and GMOs	Understand how chemical hazards combine with likely exposures to determine potential threats to human health and the environment certified	Operate in a responsible manner to protect employees, contractors and visitors		
	Certifies that the forest management encourages local employment and recognises Indigenous People's Rights. Also requires companies to demonstrate compliance with the social requirements of the Chain of Custody certification	Design operations to honour all people and natural systems affected by the creation, use, disposal or reuse of a product	Requires documented management system for learning and development of its employees, and a commitment to consult with the local community stakeholders directly affected by the operations of the organisation. Continue to support sustainable communities by providing employment and economic activity through fair operating practices		
	Similar to FSC through the use of Chain of Custody; monitors ingredients of a product ensuring that only PEFC-rated constituents are incorporated (does not detail exact recipe however)	Knowing the chemical ingredients of every material in a product, and optimising towards safer materials		It is just a declaration that the life-cycle environmental impact has been independently verified	
	Again similar to FSC the quality of timber is not an area of focus for PEFC	The manufacturers' management system as defined by ISO 9001	Through association with ISO 9001		Through relationship with ISO 9001
	Ensures the protection of workers' rights and welfare	Envisioning a future in which all manufacturing is powered by 100% clean renewable energy	The traceable constituent materials shall be traceable to suppliers with a documented health and safety policy and management system and follow OSHAS 18001. The organisation shall have in place a policy and documented code of business ethics		It impacts on the running of the business by monitoring the processes and then constantly and continually trying to improve them
	http://www.pefc.co.uk/	http://www.c2ccertified.org/get-certified/product-certification	http://www.bsigroup.com/en-GB/bes-6001-responsible-sourcing-of-construction-products/	http://www.environdec.com/en/What-is-an-EPD/#.VkII567hDSA	
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of the product has not contributed to destruction of any forest worldwide. FSC does not certify the forest management company, however it does serve to certify the organisation, which inspects the company.

PEFC

PEFC is the world's biggest forest certification system. Extremely similar to the FSC it serves to ensure that forests are managed in a way that allows all of us to enjoy the environmental, social and economic benefits that forests offer.

CRADLE TO CRADLE

The Cradle to Cradle Certified™ Product Standard guides designers and manufacturers through a continual improvement process that looks at a product through five quality categories

— material health, material reutilisation, renewable energy and carbon management, water stewardship, and social fairness. A product receives an achievement level in each category – Basic, Bronze, Silver, Gold or Platinum – with the lowest achievement level representing the product's overall mark.

BES6001

The BRE standard BES6001 (also known as the Framework Standard for Responsible Sourcing) is a tool to enable certification against its requirements for constituent materials that have been responsibly sourced. It is relevant to any organisation that manufactures construction products. While mainly aimed at the business-to-business market it can also apply to retail organisations that sell construction products.

EPD

An EPD is not a standard by which to evaluate products; it is simply a transparent declaration of the life cycle environmental impact. It is an independently verified and registered document that details comparable information about the life cycle environmental impact of a product

ISO 14001

ISO 14001 sets out the criteria needed for an effective and usable environmental management system. It details the framework that a company or organisation can follow to set up a reliable environmental management system. It is available to any organisation regardless of activity or sector.