

Xanita X-Board: Re-Certification Summary Assessment 2014

Resources				
Raw materials	Corrugated sheet	Adhesive for block making	Adhesive for lamination	External liners
Nature of raw materials	Recycled	Processed Virgin	Processed Virgin	Recycled
% of raw materials in the final product	53%	4%	7%	36%
% of recycled content	90%-100%	0%	0%	90%-100%
Location of resource extraction	Local (<100km)	Local (<100km)	National (<2000km)	National (<2000km)
Type of transport used to move the raw materials to the place of manufacturing?	TRUCK	TRUCK	TRUCK	TRUCK
Additional environmental benefits/Innovation	Designed to contain the maximum content of recycled kraft and sustainable materials. The board liner is food grade approved and the FSC Chain of Custody certification is verified.			

Manufacturing	Comments	
% use of energy from renewable resources	None	
Energy use per ton of product	733 kwh/ton	
Water use per ton of product	1.07 kl/ton	
Has any of the following been implemented:		
Environmental Policy/Management system	Yes	Document: Xanita Principles and Environmental Policy, May 2008
Cleaner Production System	No	Noted that all product cut-off's are used for pallet manufacturing for own use.
Green Procurement Policy	Yes	Documents: Xanita Principles and Environmental Policy, May 2008; and Race Against Waste document

Environmental Awareness Policy	Yes	Official Induction programs in place for all new staff, including product training with a strong focus on the environment.		
Waste Management Policy	Yes	Document: Race Against Waste		
CSI Projects	Yes	Xanita contributes to or is involved with the following: District Six Museum, Masakhane Recyclers Program and Santa Shoe Box		
Is the project manufactured in South Africa?	Yes			
Additional environmental benefits/Innovation	Environmental impacts were taken into account during the design and commissioning phase of the manufacturing plant, process and selecting equipment.			
Product				
Does the product use electricity?	No			
Does it increase energy efficiency or reduce energy consumption?	N/A			
% of reduction of water use	N/A			
Harmful emissions during use?	No			
Does the product contain Volatile Organic Compound (VOC)?	No			
Additional environmental benefits/Innovation	Yes	Inert material. Panels are light-weight and self-interlocking designs result in lower energy requirements for transport and installation.		
Packaging & Distribution				
	Primary	Secondary	Tertiary	Other
Materials used for packaging	Packaging boards	Plastic wrap/tubing	Strapping	Edge Pieces
Packaging material	Kraft/paper	Polyethylene	Polypropylene	Kraft/paper

Nature of the source of packaging	Recycled	Recycled	Recycled	Recycled
% of recycled content of packaging	80%-90%	90%-100%	90%-100%	70%-80%
Is the package reusable or recyclable?	Recyclable	Recyclable	Reusable	Recyclable
Is there a takeback policy for your packaging?	No			
Is there a plan to reduce packaging?	Yes			
Distance from manufacturing plant to market of final product	Internationally >3000km	NOTE: 55% export >3000 km; 30 % local < 100 km; 15 % national <2000 km		
Type of transport used to move the product from the manufacturing plant to market	SHIP	As well as truck		
Additional environmental benefits/Innovation	Xanita manufactures their own pallets from their board, which is wood free.			

End-of-life/Recyclability	Comments	
Expected lifespan of product	5-10 years	
Can the product be easily separated into its single components for repair, re-use or recycling?	Yes	
% of the product that can be reused	90% - 100%	
% of the product that can be recycled	90% - 100%	
Support or take back system for re-processing or responsible disposal of product	No	
Any emissions or harmful substances released into the environment during the disassembly or degradation of the finished product?	No	
Additional environmental benefits/Innovation	Fully cradle to cradle product, encouraging re-usable exhibition stands. (Examples of clients re-using the stands include Pam Golding and Natural Stone Warehouse).	