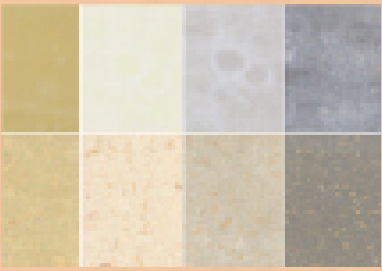
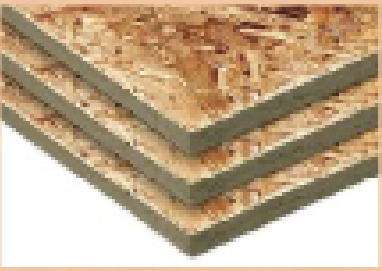
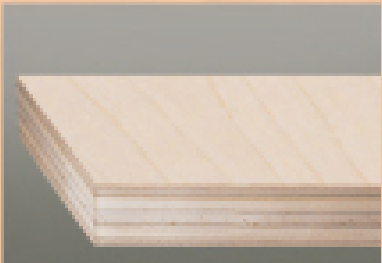
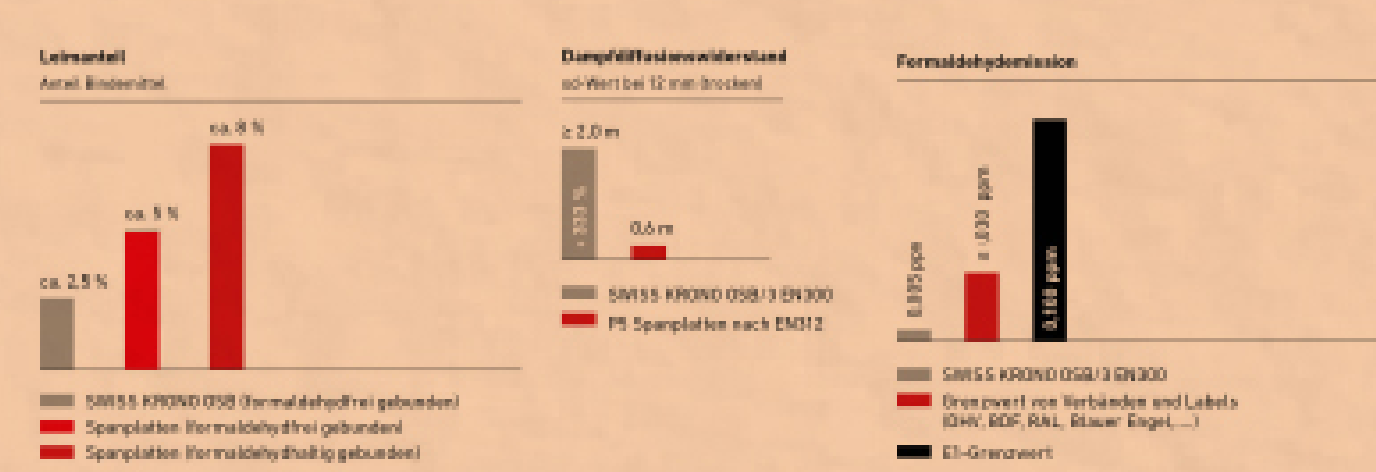
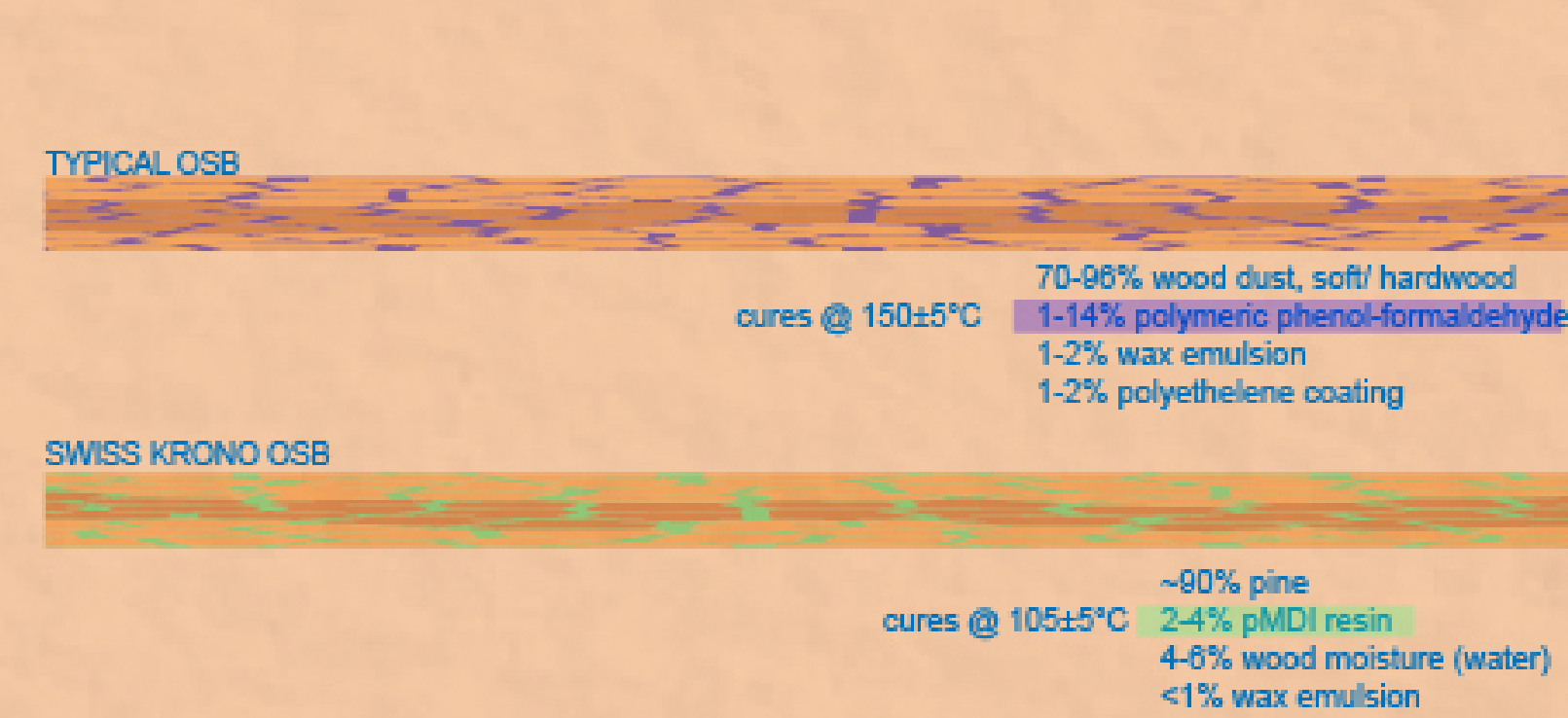


	RECOMMENDATION			RECOMMENDATION			RECOMMENDATION		
									
	VIROC Particle Board Pine wood shavings, portland cement Sodium Silicate, Aluminum Sulphate, Water	Swiss Krono Magnum Board OSB Formaldehyde free binder	Norbord OSB hard/ soft wood strands, phenol-formaldehyde, PMDI adhesive resin, wax	NOVA Panels ARCAT	440 Homasote Homasote	MgO Board ZJC	Lemix Clay Panel Hart Keramik	ReWall National Gypsum Company	Gold Bond Fire National Gypsum Company
HUMAN HEALTH Manufacture footprint	fire retardant;	Blue Angel Award (blauer-engel.de) for low-emission chip board materials	phenol-formaldehyde	contain no formaldehyde and emit no volatile organic compounds in manufacturing or in use	primary hazard is cellulose dust no chemicals subject to CERCLA, EPCRA		no harmful materials	0 formadehyde no harmful materials	Aluminum Silicates Amorphous Silica <1%
INDOOR CLIMATE formaldehyde, VOC level	thermal insulation; moisture resistant; fungus resistant; sound insulation;	VOC ≤ 0,1 mg/m³ TVOC ≤ 0,3 mg/m³ Carcinogenic Substance ≤ 1 lg/m³ Formaldehyde ≤ 80 µg/m³			sound insulation heat & humidity Regulator	sound insulation heat & humidity Regulator	sound insulation heat & humidity regulator absorbs VOCs, pollutants,	sound insulation as good as cork no fly ash no toxic heavy metals, such as mercury	
ENVIRONMENT - ENERGY Treatment process	Sanding portland cement	likely uses traditional high-heat process to dry out wood strands		not available	non-combustible			Class C or higher flame spread rating	non-combustible fibers
ENVIRONMENT - CARBON Sourcing of wood	Factory locations in Asia.	single skin solid construction ISF certified sourcing Only 1 manufacturing plant in US		100% maple with soy based adhesive	98% recycled materials (post-consumer paper)		100% natural materials	100% post-consumer beverage containers 400 redirected landfill cartons for each 4x8 panel	100% recycled paper for the envelope
AFFORDABILITY Availability	N/A off-the-shelf	N/A off-the-shelf up to 60' x 9'	\$43.99 for ea. 1/2" x 4' x 8' board	cost effective	cost efficient	more expensive than Gypsum	information not available	information not available	cost efficient
MAINTENANCE Lifespan	termite resistant; frost resistant; impact resistant;			finished with ultraviolet-cured acrylate for moisture and mold resistance	wax emulsified for moisture and mold resistance	moisture and mold resistant	mold resistant, no harmful biocides needed	moisture & mold resistance highest mold resistance rating by ASTM D3273	
DISASSEMBLY/RECYCLING Recycle rate	density: EN 323 bending strength: EN310 internal bond: EN 319 fire reaction: EN 13501-1 release of formaldehyde: EN 13986B harmonized technical spec: EN 13986:2004+ A1:2015	Swiss Kronos BE.YOND line of products specialize in recycling other SK wood products		100% recyclable	closed loop recycling	100% recyclable salt based mineral	compostable & recyclable	avoids downsizing of cartons to use its full material in this upcycling solution	no harmful materials HPD EPD Safety Data Sheet GREENGUARD Certification



Wall Board Stories

