

Update	New	Ranking	Material	Manufacturer	Manufacturer's Product Line	Environmental Certificates					Recycled Content			Renewable Materials		Pollutants	Warranty	Notes		
						FSC	SFI	CSA	SCS Recycled Certification	PHAROS	CARB ATCM	Cumulative RC	Post-consumer (median)	Post-industrial (median)	Rapidly Renewable? [RR]	Percentage (%)			No Added Urea Formaldehyde (NAUF)	
						Yes, No, N/A, Optional	Yes, No, N/A, Optional	Yes, No	Yes, No	Score	Yes, No	%	%	%		%	Yes, No			
			MDF/PARTICLE BOARD																	
	X	1	MDF	West Fraser	WestPine & Ranger Board	Y	Y	Y	Y	-	Y	43-45%	0%	86-90%			Y	N		
		1	MDF	Sierra Pine	Arreis, PermaCore, Medex & Medite II	O	N	N	Y	-	Y	50%	0%	100%			Y	90 days		
	X	1	PB	Tafisa Canada Inc.	TafiLAM-ECO & TafiPAN-ECO	Y	N	N	Y	-	Y	50%	0%	100%			Y	N		
	X	2	PB	Plummer Forest Products	FSC Panel (formerly Terramica)	Y	N	N	N	25	Y	50%	0%	100%			Y	N	(Pharos) Contains 2-3.5% of Polymeric MDI (PMDI)	
		2	PB	Roseburg	SkyBlend FSC certified	Y	N	N	N	20	Y	50%	0%	100%			Y	N	(Pharos) Contains 8% Melamine Formaldehyde and 0-1% Formaldehyde	
X		2	MDF	Panel Source International	Purekor Platinum MDF	Y	N	N	N	21	Y	40%	0%	80%			Y	N	(Pharos) Contains 1-5% Methylene Bisphenyl Diisocyanate (pure MDI)	
	X	3	MDF	UniBoard	NU Green 2 MDF	Y	N	N	N	-	Y	50%	0%	100%			Y	N		
X		3	PB	Sierra Pine	Encore, Encore MR, and Encore FR	O	N	N	Y	-	Y	50%	0%	100%			Y	90 days	Meets CARB ATCM 93120 Phase 2 emission limits, It appears that this	
	X	3	PB	Flakeboard	VESTA	Y	N	N	N	6	Y	50%	0%	100%			Y	N	(Pharos) No disclosure	
		3	PB	Panel Source International	Purekor Platinum Particleboard	Y	N	N	N	14	Y	50%	0%	100%			Y	N	(Pharos) Contains 1-5% Phenol Formaldehyde	
	X	4	MDF	Kirei	Kirei Wheatboard	N/A	N/A	N/A	N	14	N	45%	0%	90%	RR	90%	Y	N	(Pharos) Contains 5-10% Polymeric MDI (PMDI)	
	X	4	PB	UniBoard	NU Green zero	Y	N	N	N	15	Y	50%	0%	100%			Y	N	(Pharos) Contains 10% Phenol Formaldehyde and 0.1% Formaldehyde	
			OSB/PLYWOOD																	
		2	OSB	Georgia Pacific	Blue Ribbon OSB Sheathing & Flooring	Y	N	N	N	-	N	0%	0%	0%			Y	Lifetime Limited		
		2	OSB	Huber	Huber Blue Flooring and Sheathing	Y	N	N	N	-	N	0%	0%	0%			Y	25 year limited		
		2	PLY	Roseburg	RigidPly	Y	N	N	N		N	0%	0%	0%			Y	N		
		2	PLY	Georgia Pacific	Plytanium	Y	N	N	N		Exempt	0%	0%	0%			Y*	Lifetime Limited	*Interior grade products contain no added urea formaldehyde.	
		2	PLY	Panel Source International	Purekor Plywood	Y	N	N	N		N	0%	0%	0%			Y	N		
		2	PLY	Potlatch	Construction Grade Panels, Sanded Panels	Y	N	N	N		N	0%	0%	0%			Y	25 year limited		
		3	PLY	Columbia Forest Products	PureBond	O	N	N	N		Y	0%	0%	0%			Y	N		

Presently used by Yale

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							FSC Yes, No, N/A or Optional	SFI Yes, No, N/A or Optional	CSA Yes, No	PEFC Yes, No	SCS Recycled Content Yes, No	Combined %	Post-consumer (median) %	Post-industrial (median) %	Rapidly Renewable [RR] /Renewable [R]	Percentage (%)	
			Wood Plastic/Plastic														Years
	x	1	High Density Polyethylene	PlasTEAK	PlasTEAK		N/A	N/A	N/A	N/A	N	91%	91%	0%	N/A	N/A	20
x		1	High Density Polyethylene	Resco Plastics	HDPE Decking		N/A	N/A	N/A	N/A	N	83%	65%	35%	N/A	N/A	50
x		1	Wood Plastic	Fiberon	Horizon Decking		N	N	N	N	N	78%	74%	8%	N	N	25
x		2	Wood Plastic	Trex	Trex Transcend		N	N	N	N	N	75%	55%	40%	N	N	25
x		2	High Density Polyethylene	EPS Plastic Lumber	Bear Board		N/A	N/A	N/A	N/A	N	51%	51%	0%	N/A	N/A	50
x		3	Wood Plastic	Universal Forest Products	Latitudes Decking		N	N	N	N	N	25%	0%	50%	N	N	25
			Tropical or Domestic Hardwood	Material	Manufacturer		FSC	WARRANTY		EXTERIOR LIFE EXPECTANCY							
	x	1	Domestic, North Eastern US	Black Locust Decking			Y			Determined by the USDA Forest Service to have <i>Exceptionally High Decay Resistance</i> (beyond Cedar & Oak)							
	x	2	Domestic, North Eastern US	White Cedar decking			Y			15 years, USDA Forest Service Decay Resistant							
	x	2	Domestic, North Eastern US	White Oak			Y			10 - 15 years, USDA Forest Service Decay Resistant							
	x	2	Domestic, South Eastern US	Treated Pine	Georgia Pacific: Pressure Treated Lumber			Limited Lifetime Residential Warranty against Termites & Fungal Decay									
	x	2	Domestic, South Eastern US	Thermally Modified Pine	EcoVantage: Eco Deck			30 Year Limited Material Warranty against Decay									
	x	3	Tropical, South America	Ipe, Cumaru, Garapa Decking			Y			Many distributors of Ipe & similar tropical hardwoods will guarantee their lumber products for at least 20 – 25 years							

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										Greenguard	CRI Green Label ??	No-VOC	Low-VOC		
			General Construction Activities												
		1	Henkel Green Series	Poly-vinyl acetate	OSI Greenseries Multi-Purpose Construction Adhesive	Bonds a variety of construction materials including: wood/metal studs, drywall, polystyrene insulation, carpet, glass, etc.	Gun	Interior Construction	Water Based	YES			< 2 g/L		
x		1	Loctite	Acrylic	Power Grab	Bonds a variety of construction materials	Gun	Interior (exterior formulation available)	**Water Based	YES					
		2	Geocel	Latex	Speed Grip Adhesive	Bonds a variety of construction materials including: plastics, wood, masonry, drywall, carpet, metal, etc.	Gun	Interior/ Exterior Construction	Unknown (water clean up)	NO		VOC Free		5 year warranty against cracking & loss of adhesion	
		2	Titebond	Polymer Blend	Green Choice Heavy Duty Construction Adhesive	Bonds a variety of construction materials including: paneling, plywood, lumber, foamboard, plastics, etc.	Gun	Interior/ Exterior Construction	Solvent Free				6.6 g/L		Part of Titebond's GreenChoice Adhesive product line.
x		2	PL	Synthetic Rubber & Resin (unknown)	**375 VOC Heavy Duty Construction Adhesive	Bonds a variety of materials (not recommended for use with polystyrene or abs panels and foams)	Gun	Interior/ Exterior Construction	**Water Based	NO			< 2g/L		
	x	2	Liquid Nails	Latex	Drywall Adhesive DWP-24	For interior drywall construction		Interior Construction	(Water Clean Up)	YES			32 g/L	(Manufacturer warrants satisfaction of product)	
	x	2	Liquid Nails	Latex	Interior Projects Adhesive Low-VOC (LN-704 / LNP-704)	Bonds a variety of construction materials		Interior Construction	(Water Clean Up)	YES			14 g/L	(Manufacturer warrants satisfaction of product)	
		3	Titebond	Polyurethane	Premium Polyurethane Construction Adhesive	Bonds a variety of construction materials including: plastics, foam, lumber and non-porous materials.	Gun	Interior/ Exterior Construction	Solvent	NO			20 g/L		Part of Titebond's GreenChoice Adhesive product line.
		3	PL	Polyurethane	Premium Polyurethane Construction Adhesive	Bonds a variety of construction materials including: hardwood flooring, stone, concrete, masonry, carpet, etc. (not recommended for polystyrene, polyethylene or polypropylene.)	Gun	Interior/ Exterior Construction	Solvent	NO			45 g/L		
			Joint Sealants (Acrylic & Silicone)												
		1	Henkel Green Series	Acrylic Urethane	Acrylic Urethane Indoor / Outdoor Sealant	vinyl, aluminum, fiber cement, brick, concrete, metal, wood, drywall, plaster, plastic, tile, etc	Gun	Interior/ Exterior Construction	Water Based	YES			< 5 g/L		
x		1	Eco-Bond Adhesives	Silicone	CLR 125 Multi Purpose Adhesive/Sealant(previous product SIL 1000)	effective bond on most materials	Gun	Interior/ Exterior Construction	Silicone (?)	NO		VOC Free			
x		2	3M	Acrylic	Weatherban Acrylic Sealant 606 - NF	variety of materials	Gun	Interior/ Exterior Construction	Water Based	NO			**17 g/L		
x		2	AFM Safecoat	Acrylic Copolymer	Multi-Purpose Caulk	variety of materials	Gun	Interior/ Exterior Construction	Water Based	NO			**19 g/L		Non Toxic
x		2	DAP	Acrylic Latex with Silicone	**Alex Plus Clear	wood, brick, glass, metal, plaster, drywall, painted surfaces	Gun	Interior/ Exterior Construction	(water clean up)	NO			44 g/L		
x		2	Bostik	Acrylic Latex	Chem-Calk 2000(previous product Painter's Caulk)	variety of materials	Gun	Interior Construction	Urethane	NO			21 g/L		
		2	GE Silicones	Silicone	Construction SCS1200	variety of materials including: glass, ceramic, steel, granite, aluminum, plastics and painted surfaces.	Gun	Interior/ Exterior Construction	Silicone (?)	NO			23 g/L		
		2	Dow Corning	Silicone	795 Silicone Building Sealant	effective bond on most materials	Gun	Interior/ Exterior Construction	Silicone (?)	NO			28 g/L		
		2	Bostik	Silicone	Chem-Calk 1200	variety of materials including: glass, ceramic, metals and plastics	Gun	Interior/ Exterior Construction	Silicone (?)	NO			29 g/L		
	x	2	Sherwin Williams	Polyurethane	Stampede 1 Polyurethane Sealant	for use on a variety of materials	Gun	Interior / Exterior Construction	Solvent	YES			50 - 60 g/L	If used within one year of purchase, SW will warrant the products performance	
			Flooring / Tile Adhesives : Carpet												
	x	1	WF Taylor	Latex	2056 Super Premium Commercial Carpet Adhesive	can be used to adhere a variety of carpet backing types.	Trowel	Interior	Latex	YES			Low VOC		
	x	1	WF Taylor	Latex	2090 Meta-Tec Vinyl Back Floor Covering Adhesive	developed for vinyl back flooring and carpet	Trowel	Interior	Acrylic	YES			Low VOC		
x		2	Mapei	Synthetic Polymer	Ultrabond ECO 185	can be used to adhere a variety of carpet backing types.	Trowel	Interior	Water Based	NO			**14 g/L	1 year performance warranty	
x		2	Bostik	Latex	D-850 Carpet Adhesive (previous product Durabond D-920)	can be used to adhere a variety of carpet backing types.	Trowel	Interior	Latex	NO		VOC Free			

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										Greenguard	CRI Green Label ??	No-VOC	Low-VOC		

*Carpet Manufacturers, Mannington, Lees, Milliken and Tandus distribute their own brand of adhesive with carpet orders. Data and MSDS sheets are available

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										Greenguard	CRI Green Label ??	No-VOC	Low-VOC		
			Flooring / Tile Adhesives : Tile/Wood												
	x	1	Bostik	Urethane	TKO Urethane Wood Flooring Adhesive	general purpose wood flooring adhesive	Trowel	Interior	Solvent Free	NO		VOC Free		Limited Warranty	
	x	1	Bona	Silane	Bona R851 Wood Flooring Adhesive	general purpose wood flooring adhesive	Trowel	Interior	Silane Based	YES			**VERY LOW VOC		*Manufacturer states that VOC content is negligible.
x		2	Mapel	Urethane	Ultrabond 990	engineered, solid, finished, unfinished wood flooring (concrete and all wood based underlayment)	Trowel	Interior	Solvent Free	NO			**18 g/L	Limited matching lifetime floor warranty	
		2	Forbo	Acrylic	T 940	linoleum tile (will bond to concrete, wood and resilient underlayment)	Trowel	Interior	Water Based	NO		VOC Free			
x		2	W.W. Henry	Acrylic	682 LinoLock (previous product 582 LinoLock)	linoleum sheet flooring (will bond to concrete, wood metal, ceramic underlayment and will bond to existing resilient flooring)	Trowel	Interior	Solvent Free	NO			5.4 g/L	10 year warranty covering material / bond performance.	
		3	Bostik	Urethane	Bostik's Best Wood Flooring Urethane Adhesive	engineered, solid, finished, unfinished wood flooring (concrete and all wood based underlayment)	Trowel	Interior	Solvent	NO			86 g/L	Limited Warranty	mold / mildew resistant
x		3	Bostik	Acrylic	Durabon D-501 Commercial Grade Mastic	ceramic, natural stone tile	Trowel	Interior	water clean up	NO			**123 g/L		
	x	3	W.W. Henry		Henry 314 ReadySet Premixed Mastic Adhesive	ceramic, natural stone tile	Trowel	Interior	Water Based	NO			60 g/L	10 year warranty covering material / bond performance.	
NEW CATEGORY			Resilient / Rubber Flooring Adhesives (Urethane)												
	x	1	Bostik	Urethane	GreenFusion Rubber Flooring Adhesive	rubber flooring: will bond to concrete, asphalt, plywood and terrazzo.	Trowel	Interior	Solvent Free	NO		VOC Free		Limited Warranty (free from defects & meets manufacturers specs)	
	x	1	Bostik	Urethane	TKO Urethane Wood Flooring Adhesive	general purpose wood flooring adhesive (can also be used for cork)	Trowel	Interior	Solvent Free	NO	NO	VOC Free		Limited Warranty	
x		2	Mapel	Urethane	Ultrabond 990	cork (bonds to concrete and all wood based underlayment)	Trowel	Interior	Solvent Free	NO	NO		**18 g/L	Limited matching lifetime floor warranty	
		3	Bostik	Urethane	Bostik's Best Wood Flooring Urethane Adhesive	cork (bonds to concrete and all wood based underlayment)	Trowel	Interior	Solvent	NO	NO		86 g/L	Limited Warranty	mold / mildew resistant

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Updated	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	Pharos	Environmental Certificates			Recycled Content			Pollutants				Renewable Content	Chemicals of Concern
							SCS Indoor Advantage Gold	SCS Recycled Content	Greenguard	Total	Post-consumer (median)	Post-industrial (median)	No-VOC	Low-VOC	No Formaldehyde	No Added Toxins or Carcinogens		
			Blanket															
	x	1	Fiber glass	Johns Manville	Formaldehyde-Free Microlite, ComfortTherm Plastic wrapped,	23	Y	Y	Y	35%	30%	5%	X		X	X	None	
	x	1	Fiber glass	Johns Manville	Unfaced fiber glass batts and rolls (Canada plant)	27	Y	Y	Y	60%	55%	5%	X		X	X	None	
	x	1	Fiber glass	Johns Manville	All fiber glass batts and rolls	23	Y	Y	Y	25%	20%	5%	X		X	X	None	
	x	2	Fiber glass	Owens Corning	EcoTouch™ QuietZone® PINK® FIBERGLAS™ Insulation, EcoTouch™			Y	Y	73%	64%	9%	X		X		Distillates??	
	x	2	Fiber glass	Knauf	Knauf KN series and KB blanket with ECOSE Technology (for use in appliance, industrial, commercial applications)	23			Y	48%	>30%		X		X	X	None	
	x	2	Fiber glass	Knauf	EcoBatt Insulation and Batts, Blankets and Rolls				Y	Varies	>30%		X		X	X	None	
	x	3	Fiberglass	Guardian	Guardian Fiberglass/ Unfaced Guardian Fiberglass Insulation with ecoGuard Technology				Y				X		X	X		
	x	4	Fiber glass	Owens Corning	Owens Corning Thermal Batt Fiberglass	22			Y	58%	36%	21%		X			Formaldehyde	
	x	4	Rock wool	Roxul	Roxul Plus Metal Building, Semi Rigid Steel stud	18			Y	42%		42%		X			Formaldehyde	
	x	4	Fiber glass	Guardian	Guardian Fiberglass Insulation	19			Y	40%				X				
			Board															
	x	1	Fiber glass	Knaff	Fiberglass insulationboard with Ecosse technology	24			Y	~45%	?	?	X		X	X		
	x	1	Fiber glass	Johns Manville	Insulshield fiberglass board				Y	25%	20%	5%	X		X	X	PMDI, MDI	
	x	2	Mineral wool	Roxul	ComfortBatt mineral semi-rigid batt	18			Y	40%		40%				X	Formaldehyde	
	x	2	Mineral board	Thermafiber, Inc.	VersaBoard, RainBarrier (dark fiber) mineral board	11				>85%	0%	85%				X	Formaldehyde	
	x	2	Mineral board	Roxul	Roxul RockBoard 80	9				45%		45%				X	Formaldehyde	
	x	3	XPS	Owens Corning	Rigid Polystyrene Insulation Foamular brand, ASTM C578 Types IV, V, VI, VII, X; Canadian Foamular and CodeBord, CAN/ULC S701 Types 3 and 4				Y	20%	0%	20%					Formaldehyde	
			Spray (Polyurethane, Soy Polyurethane Foam)															
	x	1	Soy polyurethane spray foam	Demilec USA	Heatlok Soy foam insulation	15			Y					X	X	X	30% PBT (flame retardant),	
	x	2	Soy polyurethane spray foam	Biobased	Biobased 1701s Insulation	14			Y					X	X	X	10%	
	x	2	Polyurethane spray foam	CertainTeed	CertaSpray Closed Cell Foam	14			Y						X		Not fully disclosed:	
	x	3	Polyurethane spray foam	CertainTeed	CertaSpray-A (MDI) Open cell or closed cell.	8									X		MDI (carcenogenic and high VOCs)	
	x	3	Polyurethane spray foam	Biobased	Biobased 501w Insulation (open cell)	5									X		MDI (carcenogenic and	

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							SCS Indoor Advantage Gold	SCS Recycled Content	Greenguard	Total	Post-consumer (median)	Post-industrial (median)	No-VOC	Low-VOC	No Formaldehyde	No Added Toxins or Carcinogens		
			Loose-Fill & Sprayed (Fiberglass, Cellulose)															
	x	1	Fiber glass	Owens Corning	ProPink Complete Fiberglass Loosefill	27		Y	Y	73%	64%	9%	X		X		Distillates	
	x	2	Fiberglass	Johns Manville	JM Fiber Glass Insulation Spider Spray-in Custom System	19	Y			25%	25%	5%	X					
	x	2	Fiber glass	Johns Manville	Loose fill fiberglass Insulation, Climate Pro (BIBS option), Attic Protector, CM24, CM26, and many more products	19	Y	Y		25%	25%	5%	X		X		Polypropolene netting	
	x	2	Fiber glass	CertainTeed	Certainteed Optima Fiberglass Blown-in Insulation	18			Y	22%	10%	11%	X		X		Manufacturing toxins (solvents)	
	x	3	Cellulose	Can-Can Industries	WallBAR Stabalized Cellulose Fibre, K-13	14		Y		80%					X	X	Boric Acid	
	x	3	Cellulose	Western Fibers	Therm-a-Fact Loosefill Cellulose (for attics)	16				85%	85%				X	X	Boric Acid	
	x	3	Cellulose	Can-Can Industries	Weatehrshield Loosefil Cellulose Fibre Insulation	15				87%					X		Boric Acid	
	x	3	Cellulose	GreenFiber LLC	Cocoon Stabalized Cellulose Insulation	14		Y		85%	55%	30%			X		Zinc Sulfate and Boric Acid	
	x	3	Cellulose	GreenFiber LLC	Cocoon Loose Fill Low Dust Cellulose Insulation	14		Y		85%	55%	30%			X		Zinc Sulfate and Boric Acid	
	x	4	Cellulose	Advanced Fiber Technology	Advanced Fiber Technology Cellulose Fill	13				85%					X		Zinc Sulfate and Boric Acid	
	x	4	Cellulose	Advanced Fiber Technology	Loose cellulose fill	13		Y		85%					X		Several EPA and red list chemicals	
	x	4	Cellulose	Western Fibers	Therm-a-Fact Craftkote	12				77%								
	x	4	Fiber glass	Knauf	EcoFill Wx Blowing Insulation				Y	>40%	40%			X	X			

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Updated	New	Rank	Material	Manufacturer	Product(s)	SRI	Emittance	California Title 24	Coolroof	Energy Star	VOC Content	Heat Welded
			Thermoplastic and Thermoset Membranes (TPO, KEE, EPDM)									
	x	1	KEE	Commercial Innovations	Solar Brite	110	0.85	Y	Y	N	-	Y
	x	1	TPO	GAF materials	TPO and EverGuard Extreme	105	0.9	Y	Y	Y	-	N
	x	1	KEE	Flex	Flex Elvaloy Single-Ply (45 Fleece Back)	109	0.919	Y	N	Y	-	Y
	x	1	KEE	Fiberlite	Fiberlite Membrane (45-SM)	100	0.95	Y	N	N	-	Y
	x	2	TPO	Carlisle Syn-Tech	Sure-Weld and Spectro-Weld TPO (White)	99	0.9	Y	Y	Y	-	Y/N
	x	2	TPO	Firestone	UltraPly TPO (White)	98	0.84	Y	Y	Y	-	N
	x	3	EPDM	Carlisle SynTec Corporation	Sure-White	94	0.9	Y	Y	Y	-	N
	x	3	EPDM	Versico Incorporated	VersiGard (White)	94	0.9	Y	Y	N	-	N
			Modified Bitumen (SBS)									
	x	1	SBS	Siplast	Paradiene 30 CR and Paradiene 40 CR	90	0.83	Y	Y	N	N	-
	x	1	SBS	Derbigum	DerbiBrite cap sheets	93	0.81	Y	Y	Y	N	-
	x	1	SBS	Gaf Materials	RuberRoid EnergyCap SBS 30 FR	99	0.84	Y	Y	N	N	-
	x	2	SBS	CertainTeed	Flintlastic GMS Coolstar (cap)	86.5	0.88	Y	Y	N	N	-
			Liquid Applied Membranes									
	x	1	PMMA	Siplast	Parapro Roof Membrane (White)	85	0.89	Y	Y	N	LOW	-
	x	1	acrylic elastomer	Karnak Corporation	501 Elasto Brite	109	0.91	Y	Y	Y	LOW	-
	x	1	acrylic elastomer	Roof Guardian Technologies	RG170 White Elastomeric Finish Coat	109	0.86	Y	Y	Y	LOW	-
	x	1	acrylic elastomer	GAF	Topcoat & EnergyCote(tm) Elastomeric Coating (white)	91	0.87	Y	Y	Y	LOW	-
	x	1	acrylic elastomer	Henry	HE280DC hite Roof Coating	111	0.9	Y	Y	Y	LOW	-
	x	1	water-based roof coating	Neptune Coatings Corp.	WetSuit and Reflex Roof Coating System	black	black	N	N	N	NO	-
	x	2	acrylic elastomer	Siplast	PC-227 Elastometric Roof Coating	104	0.88	Y	Y	Y	HIGH	-
	x	2	acrylic elastomer	National Coatings	Acryshield Reflective Roof Coatings (A400, A500, A550, A600)	93	0.87	Y	Y	Y	HIGH	-
	x	2	acrylic elastomer	APOC	232 or 252 Sunwhite Premium Elastomeric Roof Coating	90	0.89	Y	Y	Y	HIGH	-
	x	2	co-polymer elastomeric emulsion	CertainTeed	FlintCoat-W	90	0.87	Y	Y	Y	HIGH	-
	x	3	acrylic elastomer	APOC	258 Re-New It White Elastomeric Rubber Coating	87	0.95	Y	Y	Y	HIGH	-
	x	3	water-based roof coating	Astec	Re-Ply Coasting System, bright white	85	0.9	Y	Y	Y	HIGH	-

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Update	New	Ranking	Material	Manufacturer	Core	Manufacturer's Product Line	Environmental Certificates					Recycled Content			Renewable Mat'ls		Pollutants			Warranty
							FSC Certified	FSC % certified	Energy Star	SCS Recycled Content	Green Guard	Composite RC	Post-Consumer	Post-Industrial	RR [Rapidly Renewable] or R [Renewable]	RR Percentage	No-VOC	Low-VOC	No Added Urea Formaldehyde	
			Wood Doors				Yes, No, N/A, Optional	Percent (%)	Yes, No	Yes, No	Yes, No					Yes, No	Yes, No	Yes, No		
X		1	Wood Doors	Marshfield Door Systems, Inc.	Particleboard Core	Stile & Rail Door w/FSC/UF Free	Y	70%	N	N	N	40%	0%	80%	R		Y		Y	Lifetime (interior application) Exterior not warranted
X		1	Wood Doors	Marshfield Door Systems, Inc.	Stave Lumber Core	Stile & Rail Door w/FSC/UF Free	Y	70%	N	N	N	40%	0%	80%	R		Y		Y	Lifetime (interior application) Exterior not warranted
	X	1	Wood Doors	Lynden Door	Agrifiber Core	Flush or Stile and Rail Door	O	70 - 100%	N	N	N	38%	0%	75%	RR	54%	Y		Y	Lifetime (interior application) Exterior not warranted
X		1	Wood Doors	Marshfield Door Systems, Inc.	Particleboard Core	Flush Door w/ FSC/UF-Free Core	Y	81%	N	Y	N	29%	0%	57%	RR w/ Bamboo Veneer	low	Y		Y	Lifetime (interior application) Exterior not warranted
X		2	Wood Doors	VT Industries Inc.	Particleboard Core	Flush Door w/ FSC	Y	98%	N	N	Y	N/A	N/A	N/A	R	100%		Y	Y	Life of Installation (interior use)
X		2	Wood Doors	VT Industries Inc.	Particleboard Core	Flush Door w/ no added UF	N	-	N	N	Y	45%	0%	90%	R	10%		Y	Y	Life of Installation (interior use)
X		2	Wood Doors	Eggers Industries	Particleboard Core	Flush Door w/ FSC	Y	100%	N	N	N	7%	0%	14%	R		Y		Y	Lifetime (interior application) Exterior not warranted
		2	Wood Doors	Eggers Industries	Agrifiber Core	Flush Door	N	-	N	N	N	44%	0%	87%	RR	75%	Y		Y	Lifetime (interior application) Exterior not warranted
X		2	Wood Doors	Marshfield Door Systems, Inc.	Stave Lumber Core	Flush Door with FSC UF-Free Stave Core	Y	81%	N	N	N	10%	0%	20%	RR w/ Bamboo Veneer	low	Y		Y	Lifetime (interior application) Exterior not warranted
X		2	Wood Doors	Eggers Industries	Stave Lumber Core	Flush Door	Y	100%	N	N	N	7%	0%	14%	R		Y		Y	Lifetime (interior application) Exterior not warranted
X		3	Wood Doors	VT Industries Inc.	Stave Lumber Core	Flush Door	N	-	N	N	Y	10%	0%	20%	R	80%		Y	Y	Life of Installation (interior use)
		3	Wood Doors	VT Industries Inc.	Agrifiber Core	Flush Door	Y	30%	N	N	Y	35%	0%	70%	RR	70%		Y	Y	Life of Installation (interior use)
X		3	Wood Doors	Graham Wood Doors (ASSA ABLOY Co.)	Agrifiber Core	Flush Door	Y	info not available	N	N	Y	35%	0%	70%	RR	70%			Y	Lifetime (interior application) Two Years (exterior use)
X		3	Wood Doors	Maiman Fine Architectural Doors (ASSA ABLOY Co.)	Particleboard Core	Thermal Fused Flush Door	Y	info not available	N	Y	Y	43%	0%	85%	R				Y	1 year
X		3	Wood Doors	Maiman Fine Architectural Doors (ASSA ABLOY Co.)	Particleboard Core	Stile and Rail Door (stained)	Y	info not available	N	Y	Y	35%	0%	70%	R				Y	1 year
X		4	Wood Doors	Graham Wood Doors (ASSA ABLOY Co.)	Particleboard Core	Flush Door	Y	?	N	N	Y	20%	0%	40%	R				Y	Lifetime (interior application) Two Years (exterior use)
X		4	Wood Doors	VT Industries Inc.	Structural Composite Lumber (SCL)	Flush or Stile and Rail Door	N	-	N	N	Y	10%	0%	20%	R	80%			Y	Flush: Life of Installation (interior use) Stile and Rail: Five Years (interior)
X		4	Wood Doors	Eggers Industries	Structural Composite Lumber (SCL)	Flush or Stile and Rail Door	Y	100%	N	N	N	5%	0%	10%	R		Y		Y	Lifetime (interior application) Two Years (exterior use)
			Fire Doors																	
X		1	Fire Retardant Wood Doors	Eggers Industries	Mineral Core	Flush Door & Stile and Rail Door	N	-	N	N	N	12%	0%	23%	R		Y		Y	Lifetime (interior application) Exterior not warranted
X		2	Fire Retardant Wood Doors	VT Industries Inc.	Mineral Core	Flush Door & Stile and Rail Door	N	-	N	N	Y	10%	0%	20%	R			Y	Y	Flush: Life of Installation (interior use) Stile and Rail: Five Years (interior)
	X	3	Fire Retardant Wood Doors	Graham Wood Doors (ASSA ABLOY Co.)	Mineral Core	Flush Door w/ 45/60/90 min fire ratings available	Y	info not available	N	N	Y	0%	-	-	R				Y	Lifetime (interior application) Exterior not warranted
X		3	Fire Retardant Wood Doors	Marshfield Door Systems, Inc.	Mineral core	Flush Door w/ UF-Free Composite Core	Y*	low	N	N	N	info not available	-	-	RR w/ Bamboo Veneer	low	Y		Y	Lifetime (interior application) Exterior not warranted
			Steel Doors																	
X		1	Steel Doors	Ceco Doors (ASSA ABLOY Co.)	varies	Trio-E, Stile and Rail Entrance Door, Madera, Medallion, Imperial, Legion, Regent, Omega	N/A	-	N	N	Y	58.8%	54.5%	9%	N/A	-			N/A	1 year
X		2	Steel Doors	Curries Doors (ASSA ABLOY Co.)	varies	Series: 607, 707, 727, 737, 747, 757, 777, 847, 857	N/A	-	N	N	Y	39.1%	35.4%	7.4%	N/A	-		Y	N/A	1 year
	X	3	Steel Doors	Stiles	varies	Steel Stiffened Core Doors, Composite Core Doors, Temperature Rise Core Doors, Gamma, Lab-Tek, Endura, True Stile and Rail, Clad, Woodgrain Steel doors, Laminate Doors	N/A	-	N	N	N	26.5%	23.0%	7.0%	N/A	-		Y	N/A	3 years

Presently used by Yale

Update	New	Ranking	Manufacturer	Manufacturer's Product Line	Environmental Standards						Recycled Content			Warranty	Notes			
					Energy Star Northern Climate Compliant (U < 0.32)	ASHRAE 90.1 2007	SCS Indoor Advantage Gold	SCS Recycled Content	NFRC Label	FSC	SFI	Cumulative RC	Post-Consumer			Post-Industrial		
			Aluminum-Clad Wood		Yes, No	Yes, No	Yes, No	Yes, No	Yes, No	Yes, No, N/A or Optional	Yes, No, N/A or Optional	NFRC Window assembly tested	NFRC U-Factor 24" x 59" Casement Window					Code requirements for Climate Zone 5A, cold humid (ASHRAE 90.1) or "Northern" climate from Energy Star.
X		1	Andersen Windows	200 Series, 400 Series	Y	Y	Y	Y	Y	O*	O*	HP Low-E SmartSun	0.27	2%	0%	4%	20 years on glass 10 years on non-glass	*Over 70% of wood purchased by Andersen is from certified sources such as FSC and SFI. FSC wood can be specified.
X		1	Marvin Windows	Double Hung, Casement, Push Out, Picture, Awning, Bow, Bay, Special	Y	Y	N	N	Y	O	O*	1" Tri-pane IG & argon	0.21	8%	2%	12%	10 year (20 year on insulating glass)	Glass contains 20% pre-consumer recycled content. Our major aluminum suppliers currently uses 15-25% purchased (post-consumer) scrap/recycled aluminum and 32-50% in-house (pre-consumer) scrap. Average window composition is 30-60% glass, 30-60% wood and 0-15% aluminum. All species available FSC Certified. *All species except tropical hardwoods available SFI certified.
X		1	Loewen	Heat-Smart, Heat-Smart X, and various other products	Y	info not available	N	N	Y	O	Y	Triple Sun 240 Dual Low E	0.21	-	0%	22-29% recycled glass*	20 year insulated glass 20 year wood component on metal clad products	*Applies to Cardinal glass products only
X		2	Eagle Windows (An Andersen Company)	Axiom Casement, Axiom Awning, Talon Double-Hung, Bow & Bay, Slide-By, Auxiliary	No (only certain fixed double hung windows can meet requirements)	Y	Y	N	Y	Y	N	1-1/8" MDL High Performance Low-E4	0.36		-	-	20 years on insulated glass 10 years on wood and wood composite components 20 years on exterior aluminum surfaces	
X		2	Jeld-Wen Windows & Doors	Custom Wood, Premium Wood Sitrine EX, Premium Wood Tradition Plus, Builders Clad-Wood	Y	N	N	N	Y	O	O*	Triple Glazed Argon filled	0.28	5%	0%	10%	20 years	
X		3	Pella Corporation	Axiom Casement, Axiom Awning, Talon Double-Hung, Bow & Bay, Slide-By, Auxiliary	Y	info not available	N	N	Y	O	O	11/16" SunDefense Dual Low-E IG w/ Argon w/ 3mm glass	0.26	info not available	-	-	20 year non-laminated glass 10 year laminated glass 10 year nonglass components	
X		3	Duratherm Window Corporation	Fixed Frame, Store Front, Awning, Out-Swing, In-Swing, Tilt/Turn, Hopper, Single Hung, Lift/Roll, Window Wall	Y	N	N	N	Y	Y	N	1" IG w/ Argon	0.24		-	-	3 years (extended available on project by project basis)	
X		4	Semco Windows Doors	Variety of product lines & window types	Y	info not available	N	N	Y			3/4" Insul Low-E 366 w/ Argon	0.33		-	Y	20 years on glass 10 years on non-glass	
			Material: Aluminum/Steel															
X		1	Tubelite	3700 series	Y	Y	N	N	Y	N/A	N/A	1/4" PPG Solarban 60, 0.47" 90% argon filled, 1/4" clear	0.22	-	50% recycled aluminum*	50% recycled aluminum*	info not available	* Special request for higher recycled content of 100% (50% post-consumer 50% pre-consumer) can be provided on individual basis. Center of glass U-factors: 0.20 to 0.48. Overall U-factors: 0.33 to 0.56
X		1	Wausau	Projected & Fixed, Casement, Hung & Rolling, Hurricane, Blast, Unitized Curtainwall, Window Wall, Stick Curtainwall	Yes (Fixed can get down to 0.19 U value)	Y	N	N	Y	N/A	N/A	2250i-XLT Casement w/ Triple IG	0.34	-	0%	80% recycled aluminum 10-20% recycled glass	10 year Limited Warranty	Aluminum extrusions that contain at least 60% post-industrial recycled content. Glass, steel and hardware components that are composed of high percentages of recycled content.
X		2	Kawneer NA	AA900 ISOWEB Window; AA3350 ISOPORT Window	No (possible only at 60 sqft plus window assemblies)	Y	N	N	Y	N/A	N/A	6mm clear, 1/2" argon, 6mm low-e	0.34 to 0.47		Y	Y	info not available	
X		2	Crittall Windows	Corporate 2000 range, Berkeley series	Not sure	info not available	N	N	N	N/A	N/A	not tested	not tested	-	100% recycled steel	-	10 year on frame and finish	Fixed Light Corporate W20 can achieve 0.29 U-Factor, though other operable windows start at 0.35 and above.
X		2	Hope's Windows Inc.	Jamestown 175, Landmark 175, University Series, Empire Bronze	Yes (fixed options are available @ 0.29)	info not available	N	N	Y	N/A	N/A	1" IG University Series	0.44 (0.22 center of glass)	-	100% recycled steel	-	info not available (email out)	Probably could not get Energy Star rating of <0.32 for the climate. 100% recycled steel

Presently used by Yale

Update	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	Backing System	Environmental Certificates			Recycled Content			Renewable Mat's		Pollutants			Notes	WARRANTY
							NSF-140 or SCS Sustainable Choice or SMaRT	Green Label Plus or Floor Score	Cradle-to-Cradle	Cumulative RC	Post-consumer (median)	Post-industrial (median)	Rapidly Renewable [RR] /Renewable [R]	Percentage (%)	No-VOC	Low-VOC	Free of Added Urea Formaldehyde		
			Wood Flooring																
		1	Wood (reclaimed)	Carlisle Wide Plank Floors	FSC Antique Reclaimed Plank	NA	FSC Certified			100%	100%	0%	R	100%		NA	NA		
		1	Wood (reclaimed)	Cochran's Lumber & Millwork Inc.	FSC Recycled: Species: Antique Oak, Horse Country Oak, Antique Chestnut, Tobacco-wood, Antique Heart Pine	NA	FSC Certified			100%	100%	0%	R	100%		NA	NA		
		1	Wood (reclaimed)	Pioneer Millworks	All Products, Engineered & Solid Plank	NA	FSC Certified			100%	100%	0%	R	100%		NA	NA	Free from infestation	
		1	Wood (engineered)	Pioneer Millworks	Reclaimed (Oak, Chestnut, Ash, Elm, Jarrah)	FSC Certified Plywood	FSC Certified			100%	100%	0%	R	100%		Y	Y	Lifetime Warranty against wear layer delamination	
		1	Wood (engineered)	LV Wood Flooring	LV Green, E-Series (Oak, Walnut, Hickory, Maple, Cherry, Ash, Mahogany, Ipe, Cumaru, Jatoba)	FSC Certified Plywood	FSC Certified			0%	0%	0%	R	100%			Y	Rainforest Alliance Certified	
	x	1		Eco Timber Flooring	Walnut, Maple, Birch, Pecan	5-Ply wood construction	FSC Certified Wood						R	100%			Y	25 year warranty against defects. 5 year finish warranty.	
	x	1	Wood (solid)	Eco Timber Flooring	Poplar (Woven / Pressed Lumber)		Flooring Manufactured with FSC Certified Wood					100% - manufactured from FSC furniture scraps	R	100%			Y	25 year warranty against defects. 5 year finish warranty.	
		1	Wood (solid)	Duro Design	Oak Flooring, Maple Flooring	NA	FSC Certified			0%	0%	0%	R	100%		Y	Y	25 year structural warranty. 5 year finish warranty.	
x		1	Wood (solid)	Massachusetts's Woodland Cooperative	**Species: Ash, Birch, Cherry, Red Maple, Red Oak, Sugar Maple	NA	FSC Certified			0%	0%	0%	R	100%			NA		
x		1	Wood (solid)	Wheeland Lumber Company, Inc.	Oak, Cherry, Ash, Maple, Poplar, Walnut, **Basswood	NA	FSC Certified			0%	0%	0%	R	100%			NA		
		2	Wood (engineered)	Carlisle Wide Plank Floors	Engineered Hardwood (Oak, Cherry, Ash, Maple, Hickory, Walnut, Pine)	Plywood	Claim they sustainably harvest wood			0%	0%	0%	R	100%			Y		
x		2	Wood (solid)	Mirage Flooring	**Species: American Cherry, Walnut, Cabreuva, Canadian Breza, Hard Maple, Brazilian Cherry, Red Oak, Sapele, Tigerwood, Yellow Birch					0%	0%	0%	R	100%				Lifetime structural warranty. 3 year light commercial finish warranty.	
x		3	Wood (solid)	Bellawood	American Cherry, American Walnut, Ash, Beech, Birch, Hickory, Maple, Red Oak, White Oak					0%	0%	0%	R	100%			**finish contains formaldehyde	5 year commercial warranty against defects and finish wear.	
			Bamboo																
x		1	Bamboo	Teragren	Signature Naturals, Signature Colors, Craftsman II	NA	**SCS Floor Score			0%	0%	0%	RR	100%		Y	NA	Available only as a special order item	Lifetime structural warranty. 10 year commercial finish warranty.
x		1	Bamboo	Teragren	Synergy solid-strip w/ Xcora, Synergy solid-strip 10mm	NA	**SCS Floor Score			0%	0%	0%	RR	100%		Y	NA	Lifetime structural warranty. 10 year commercial finish warranty.	
		2	Bamboo	Smith & Fong	Plyboo Flat Grain, Edge Grain, PlybooStrand, Neopolitan, PlybooSquared, PlybooSport	NA	FSC Certified (only applies to those products labeled as such)			0%	0%	0%	RR	100%		Y	Y	Applies to PlybooPure product.	25 year warranty for manufacturing, lamination & milling. 10 Year commercial finish warranty.
		2	Bamboo	Duro Design	Solid Bamboo, Wide-Plank Bamboo (engineered), Strand Bamboo	NA	NA			0%	0%	0%	RR	100%		Y	Y	25 year structural warranty. 5 year finish warranty.	
x		3	Bamboo	Teragren	Studio, Synergy floating-floor w/ Xcora	NA	**SCS Floor Score			0%	0%	0%	RR	100%			N	Lifetime structural warranty. 10 year commercial finish warranty.	
	x	3	Bamboo	Eco Timber Flooring	Solid: Amber, Toffee, Honey		See Notes						RR	100%			Y	Plantation Growth Material Sourcing	25 year warranty against defects. 5 year finish warranty.
			Cork																
x		1	Cork	US Floors	Natural Cork: Earth & Classics (floating floor)						0%	**97%	RR	100%	N	Y	**Y	**Greenguard Certified	Lifetime structural warranty. 5 year wear warranty.
x		1	Cork	US Floors	Natural Cork: EcoCork, or New Dimensions [plank]						0%	**97%	RR	100%	N	Y	**Y	**Greenguard Certified	Lifetime structural warranty.
x		1	Cork / Rubber Blend	Expanko Resilient Flooring	XCR4		**SCS Floor Score / Air Quality				0%	11%	RR	70%	N	Y	N	Cork Rubber blend flooring is more durable than traditional cork flooring.	1 year warranty against defects. 10 year wear warranty.
		2	Cork	Expanko Resilient Flooring	Traditional Cork Flooring						0%	100%	RR	100%	N	Y	Y		10 year warranty against defects.
	x	2	Cork	Duro Design	Cork Tile Flooring							90%	RR	100%			Y		25 year structural warranty. 5 year finish warranty.

Update	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	Backing System	Environmental Certificates			Recycled Content			Renewable Mat's		Pollutants			Notes	WARRANTY
							NSF-140 or SCS Sustainable Choice or SMaRT	Green Label Plus or Floor Score	Cradle-to-Cradle	Cumulative RC	Post-consumer (median)	Post-industrial (median)	Rapidly Renewable [RR] /Renewable [R]	Percentage (%)	No-VOC	Low-VOC	Free of Added Urea Formaldehyde		
			Resilient																
x		1	Resilient	Johnsonite	Harmonium xf			Floor Score [5]	SILVER	**	0%	**34%	RR	**73%			LEED EQ Credit 4 (low-emitting mat)	**USDA BIO BASED PRODUCT CERTIFIED	5 year warranty against defects.
x		2	Resilient	Forbo	Marmoleum			SMaRT Certified [4]		**	0%	**46.5%	RR	**33%			LEED EQ Credit 4 (low-emitting mat)		5 year warranty against defects.
		2	Resilient	Forbo	Marmoleum MCT			SMaRT Certified [4]		**	0%	**46.5%	RR	**23%			LEED EQ Credit 4 (low-emitting mat)		5 year warranty against defects.
		3	Resilient	Armstrong	Marmorette						18%	0%	35%	RR	36%		LEED EQ Credit 4 (low-emitting mat)		5 year warranty against defects.
		3	Resilient	US Floors	Corkoleum						5%	0%	10%	NA	NA		LEED EQ Credit 4 (low-emitting mat)		5 year limited commercial wear warranty
			Vinyl Flooring																
	x	1	Composite	American Biltrate	Viera Floor Tiles							40%				Y			5 Year Warranty
x		1	Vinyl	Mannington	Solid Point	12" x 12" x 1/8" Tile No Backing		LEED MR Credit 4 LEED EQ Credit 4.3			**10%		Product is Composed of 85% Limestone			Y			5 Year Warranty
	x	2	Vinyl	Mowhak	Stonewalk	12"x12", 18"x18"		Floor Score Certified				45%							5 Year Wear Warranty
	x	2	Vinyl	Armstrong	Migrations Bio Based Tile	12"x12"		Floor Score Certified				10%		2% Bio Based Resin				Tiles are 85% limestone by weight.	5 year warranty against defects
	x	2	Vinyl	Mannington	BioSpec MD Sheet	6' wide		Floor Score Certified			5%							Anti-Microbial Vinyl Sheet for Healthcare Facilities	5 Year Warranty
		3	Vinyl	Armstrong	Excelon Imperial	12" x 12" x 1/8" or 3/32" Tile					1% Post Industrial								5 year warranty against defects
		3	Vinyl	Armstrong	Medintone	6' Wide x 85' Long Max Sheet Size, 2.0 mm thick					NO RECYCLED CONTENT							Vinyl Sheet for Healthcare Facilities	5 year warranty against defects
			Rubber Flooring																
x		1	Rubber	Expanko	Reztac	24" x 24" 48" wide x specified length 4.0mm - 9.5 mm thicknesses		**SCS Floor Score			**5 - 100% depending on color								5 Year Warranty. 20 year service life expected. Recycled Tile designed for heavy commercial applications. Highly resistant to moisture.
	x	1	Rubber	Eco Surfaces	All Products	36" x 36", 18" x 18" (1/4", 1/8"), 48" x 50" (1/4", 1/8") 48" x 25" (3/8")		SCS Floor Score		4 -91%	0 - 22.75%								5 year Warranty
	x	1	Rubber	Nora	Noraplan Uni			Greenguard Indoor Air Quality, Greenguard Children & Schools											5 year Warranty. Other Greenguard Certified products are available however this particular line offers a range of solid colors
		2	Rubber	Allstate	FreiFloor	19.68" x 19.68"					38% Pre Consumer				PVC Free, 0 VOC	DEP, DOHP FREE			30 plus year service life expected, Chemical Resistant Flooring designed for commercial applications.
		3	Rubber	Johnsonite	CityScape Speckled Rubber Tile	12" x 12" 24" x 24"		Floor Score			NO RECYCLED CONTENT								10 Year Warranty. Rubber Flooring that is designed for use in commercial applications that include food preparation areas.
		3	Rubber	Johnsonite	Defiant Oil & Grease Resistant Rubber Tile (Raised Round, Hammered, Marbleized Hammered Patterns)	12" x 12" 24" x 24"					NO RECYCLED CONTENT								10 Year Warranty. Rubber Flooring that is designed for use in commercial applications that include food preparation areas.

Update	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	Backing System	Environmental Certificates			Recycled Content			Renewable Mat's		Pollutants			Notes	WARRANTY
							NSF-140 or SCS Sustainable Choice or SMaRT	Green Label Plus or Floor Score	Cradle-to-Cradle	Cumulative RC	Post-consumer (median)	Post-industrial (median)	Rapidly Renewable [RR] /Renewable [R]	Percentage (%)	No-VOC	Low-VOC	Free of Added Urea Formadehyde		
			Carpet																
x		1	Carpet	Shaw	EcoLogix Tile	100% PVC free thermoplastic	SCS Platinum			**91% total recycled content	Nylon is recyclable			N				** product is designed to be recycled	Limited Lifetime Commercial Warranty.
x		1	Carpet	Bentley Prince Street	High Performance PC (backing system)	Latex Based	NSF Platinum	Y	N		**10%	**30%						available with all broadloom products	10 year warranty (surface wear, edge ravel, delamination, tuft bind)
x		1	Carpet	Bentley Prince Street	Select RC Modular Tile	Thermoplastic	NSF Platinum	Y	N		18%	37%						available with all tile products	20 year limited warranty (Greenspec)
x		1	Carpet	Interface	Modular Carpet Tile with GlassBac RE backing	Recycled Vinyl	NSF Platinum	Y	N	**49% total recycled content (unspecified mix of PC & PI)				N				UL Environment Certified Product	15 year warranty
x		1	Carpet	Tandus	ER3 Modular Tile	100% Recycled	SCS Platinum	Y	N	**44 - 65% (12% post consumer)				N				**Manufacturers website & SCS database states that product is NSF-140 Platinum however there is no record of the product in NSF's database.	15 year limited warranty
x		1	Carpet	J&J INVISION	Eko Modular Tiles	100% PVC FREE (Eko Backing)	NSF PLATINUM	Y		Contains both pre and post consumer content	10%	30%						recycled content percentages are not listed on manufacturers website	Lifetime Warranty
		2	Carpet	Shaw	Eco Solution Q (nylon carpet fiber)	EcoWorx 100% PVC free thermoplastic	SCS certified for recycled content	Y	Silver		**25%	**20%		N				manufactures data states that product contains up to 45% recycled content however SCS only certifies the product for 25%	Limited Lifetime Commercial Wear Warranty.
		2	Carpet	Shaw	EcoWorx Broadloom	EcoWorx 100% PVC free thermoplastic	SCS Platinum	Y	Silver					N				** product is designed to be recycled	Limited Lifetime Commercial Warranty.
		2	Carpet	Mannington Commercial	Modular Tile with Infinity RE backing	Polymer Compound	SCS Platinum	Y	N	**30% (including 10% post consumer)				N				**Manufacturers website states that product is NSF-140 Platinum however there is no record of the product in NSF's database.	Limited lifetime (delamination, tuft bind, unravelling, static charge, wear)
		2	Carpet	Milliken Contract	Modular Tile with ESP Cushion Backing		NSF Platinum	Y	N	**35% (including 10% post consumer)				N				**Manufacturers website states that product is SCS Certified however there is no record of the product in the SCS database.	Lifetime Warranty
		2	Carpet	Lees (Mohawk Company)	Unibond RE Broadloom		NSF Platinum	*Y		20% post consumer				Y				**could not confirm current Green Label rating on CRI database	Lifetime Warranty
		3	Carpet	Mannington Commercial	UltraBac RE Broadloom	SBR Rubber	SCS Platinum	Y	N	10% post consumer				N				**Manufacturers website states that product is NSF-140 Platinum however there is no record of the product in NSF's database.	Limited lifetime (delamination, tuft bind, unravelling, static charge, wear)
		3	Carpet	Atlas Carpet Mills	Piece Dyed Generic Broadloom (All products)		NSF Gold	Y	N	10% post consumer minimum									*Warranties differ per product http://www.atlascarpetsmills.com/warranties
		3	Carpet	Karastan (Mowhawk company)	Karastan Contract Broadloom			Y		**14% post consumer									Lifetime Warranty
		3	Carpet	Karastan (Mowhawk company)	Karastan Contract Modular Tile			Y		**10% post consumer									Lifetime Warranty

Presently used by Yale

Update	New	Ranking	Material	Manufacturer	Manufacturer's Product Line	Environmental Certificates		Recycled Content			Renewable Mat'ls		Pollutants			Warranty
						Green Guard Yes, No	SCS Recycled Content Certified	Cumulative RC	Post-Consumer (median)	Post-Industrial (median)	Rapidly Renewable [RR] /Renewable [R]	Percentage (%)	No-VOC	Low-VOC	No Added Urea-Formadehyde	
			Acoustical Fiber & Wood													
	X	1	Wood Fiber	Tectum Inc.	Lay-in, V-Line, Tonico, Designer, Designer Plus	N	N	40%	40%	0%	R	43%	Y		info not available	Lifetime warranty against breakage
X		1	Mineral Fiber	USG Corporation	Frost ClimaPlus, F Fissured, Glacier, Astro ClimaPlus	N	N	34 - 37%	0 - 2%	68 - 70%	RR	4.5 - 9%	Y		Y	30 year limited
X		1	Jute Fiber	Armstrong Ceilings NA	Tierra BioAcoustic	N	N	23%	23%	0%	RR	45%		Y	Y*	30 year limited
X		1	Mineral Fiber	Armstrong Ceilings NA	Ultima HRC & Cirrus HRC	N	N	48 - 49%	15%	65 - 67%	NA	0%		Y	Y*	30 year limited
		2	Wood	Armstrong Ceilings NA	WoodWorks FSC-certified Ceilings	N	N	46%	0%	92%	NA	0%	N/A	N/A	N/A	30 year limited
X		2	Mineral Fiber	USG Corporation	Millennia ClimaPlus, Mars ClimaPlus, Olympia ClimaPlus, Eclipse ClimaPlus	N	N	37.5 - 39%	0%	75 - 78%	RR	2 - 8%		Y	Y	30 year limited
X		3	Mineral Fiber	CertainTeed	Cashmere, Symphony m, Fine Fissured High NRC	N	N	38%	4%	68%	NA	0%		Y		
X		3	Mineral Fiber	CertainTeed	Baroque, Fine Fissured, Sand Micro, Vantage 10	N	N	27-31%	18%	18-27%	NA	0%		Y		
			Acoustical Fiberglass													
	X	1	Recycled Glass	pinta acoustic	PHONSTOP Ceiling Tile	N	N	100%	100%	0%	NA	0%	info not available	info not available	info not available	info not available
X		2	Fiberglass	Armstrong Ceilings NA	Optima, Capz, TechZone	N	N	36%	0%	71%	NA	0%		Y*	Y	30 year limited
		2	High Density Fiberglass	CertainTeed	Ecophon Focus Dg, Ds, F	N	N	73%	70%	5%	NA	0%		Y		
		3	Fiberglass	CertainTeed	Theatre Black	N	N	33-39%	33-39%	0%	NA	0%		Y		
X		3	Fiberglass	CertainTeed	Symphony f, Versatone, Open Plan	N	N	37-44%	37-44%	0%						
			Gypsum Board													
x		1	Gypsum Board	CertainTeed Gypsum	ProRoc Brand, ProRoc Brand MR Gypsum Board w/ M2Tech	Y	N	58%	16%	83%	NA		Y	N		
x		1	Gypsum Board	CertainTeed Gypsum	ProRoc Moisture and Mold Resistant Gypsum Board w/ M2 Tech	Y	N	50%			N/A	-	Y	-		
x		1	Gypsum Board	Georgia Pacific Gypsum Board	DensArmor Plus Abuse-Resistant, DensArmor Plus High-Performance, DensArmor Plus Impact Resistant Interior Panel; ToughRock Gypsum Board; ToughRock Fireguard Gypsum Board	Y	N	49%	2%	94%	NA		Y	N		
x		1	Gypsum Board	National Gypsum Company	Gold Bond Brand, Gold Bond Brand Fire-Shield, Gold Bond Brand XP Gypsum Board	Y	N	45%	0%	89%	NA		Y	N		
		2	Gypsum Board	Temple-Inland Forest Products	Regular Gypsum Wallboard	N	Y	51%	4%	94%	NA		N/A	N/A		
		2	Gypsum Board	Temple-Inland Forest Products	Specialty Gypsum Sheathing, Fire-Rated Gypsum Wallboard	N	Y	48%	3%	89%	NA		N/A	N/A		
		2	Gypsum Board	USG Corporation	FIBEROCK Brand AR, VHI, VHI Core-Treated, AQUA TOUGH Interior Panel, ClimaTough Exterior Sheathing, Tile Backer Board	N	Y	48%	0%	95%	NA		N/A	N/A		
		2	Gypsum Board	Temple-Inland Forest Products	Water Resistant Gypsum Wallboard	N	Y	45%	0%	89%	NA		N/A	N/A		
		3	Gypsum Board	USG Corporation	SHEETROCK Brand Gypsum Wallboard			52%	5%	94%	NA		N/A	N/A		
x		4	Gypsum Board	CertainTeed Gypsum	ProRoc Brand, ProRoc Brand MR Gypsum Board	Y	N	5%	5%	0%	NA		Y	N		
x		4	Gypsum Board	G-P Gypsum Board	DensArmor Plus Abuse-Resistant, DensArmor Plus High-Performance, DensArmor Plus Impact Resistant Interior Panel; ToughRock Gypsum Board; ToughRock Fireguard Gypsum Board	Y	N	2%	0%	4%	NA		Y	N		
x		4	Gypsum Board	National Gypsum Company	Gold Bond Brand, Gold Bond Brand Fire-Shield, Gold Bond Brand XP Gypsum Board	Y	N	8%	5%	6%	NA		Y	N		
		5	Gypsum Board	National Gypsum Company	Easy Finish Brand All Purpose Drywall Finishing Compound; ProForm Brand All Purpose, Lite Blue, Lite, Machine Grade, Multi-Use, Taping, Topping, XP Drywall Finishing Compound	Y	N									

Presently used by Yale

Update	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	Environmental Certificates				Recycled Content		Pollutants			Notes	WARRANTY
						SCS Certified Indoor Advantage Gold	GreenGuard	Green Seal	MPI Green Performance (VOC & Known Carcinogens)	Post-consumer (median)	Post-industrial (median)	No-VOC	Low-VOC	No Toxins or Carcinogens		
			Ceramic													
	x	1	Ceramic	Daltile	Color Scheme Tile					2.80%	60%				One year warranty	
	x	1	Ceramic	Terra Green Ceramics	Terra Traffic, Terra Classic	SCS CERTIFIED FOR RECYCLED CONTENT					55%					
		2	Ceramic	Coverings ETC.	ECO - GRES ULTRA						up to 50%				No Warranty (40 Year Lifespan Guarantee)	
	x	2	Ceramic	Daltile	Matte Tile						34.9% - 38.4%				One year warranty	
	x	2	Ceramic	Crossville	EcoCylce	SCS CERTIFIED FOR RECYCLED CONTENT					40%				One year commercial warranty	
x		3	Ceramic	Kerlite	Buxy										10 - 20 year warranty varies per application	

Update	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	SCS Certified Indoor Advantage Gold (VOC)	FSC	Cradle-to-Cradle	MPI Green Performance (VOC & Known Carcinogens)	Post-consumer (median)	Post-industrial (median)	No-VOC	Low-VOC	No Toxins or Carcinogens	Notes	WARRANTY
x		2	Thermoplastic, Wall Covering	Carnegie Fabrics	Surface IQ Wallcovering	**Y		Silver					Y	Y	CHPS Certification; LEED EQ Credit 2.2. Low-emitting mat'l; Free Of Chlorine & Plasticizers; Safely Disposable Free Of Pvc, Chlorine, Plasticizers, Heavy Metals; Free Of Topical Finishes, Dioxin	3 year product (performance) warranty.
x		2	Wall Covering	DesignTex	Duraprene		**N			**10%	**40%				**50% Wood Pulp	10 year product (performance) warranty. Wallcovering applications only.
x		2	Wall Covering	DesignTex	ECORE (100% PVC Free)		Y								Can contribute to LEED MR 2 & 5, 100% EVOLON FABRIC	10 year product (performance) warranty. Wallcovering applications only.

Update	New	RANKING	Material	Manufacturer	Manufacturer's Product Line	GREENGUARD (VOC)	SCS Certified	Cradle-to-Cradle	MPI Green Performance (VOC & Known Carcinogens)	PC CONTENT	PI CONTENT	Phenol Formaldehyde (Y/N?)	NOTES	WARRANTY
x		1	Plastic Laminate	Wilson Art	(VGS) High Wear Laminate	GREENGAURD (Indoor Air Quality) , GREENGAURD (Children & Schools) Certified				20% Minimum Post Consumer		**N	FSC Material Content Available (needs verification), 10% of material composition comes from Eucalyptus which is a rapidly renewable resource.	1 year warranty against material defects.
x		2	Plastic Laminate	Formica	General Purpose Grade 10/HGS Laminate	GREENGAURD (Indoor Air Quality) Certified, LEED MR 4, LEED Low Emitting Materials				**2%	**4.3%	**N		1 year warranty against material defects.
		3	Phenolic	Trespa	Athlon Interior Panels	GREENGAURD (Indoor Air Quality) , GREENGAURD (Children & Schools) Certified, LEED Low Emitting Materials							Trespa states that they will begin manufacturing panels with recycled content sometime next year.	10 year warranty against material defects.

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Update	New	RANKING	Material	Manufacturer	Product Line	Environmental Certificates				PHAROS LISTED (Y/N)	Pollutants			Notes	WARRANTY
						SCS Certified Indoor Advantage Gold	GreenGuard	Green Seal	MPI Green Performance (VOC & Known Carcinogens)		No-VOC	Low-VOC	No Toxins or Carcinogens		
			Latex												
x		1	Latex, Paint	Benjamin Moore	Natura Interior Waterborne Paint, Flat 512, Eggshell 513, Semi-Gloss 514, Aura Waterborne Interior Paint Flat 522, Eggshell 524, Satin 526, Semi-Gloss 528	N	Y	**Y	Y	12	Y	N	Y	Base paint contains zero-VOC. BM Gennex colorant system is also zero-VOC	
		1	Latex, Paint	Mythic Paint	Interior Ceiling, Interior Flat Latex, Interior Latex Eggshell Enamel, Interior 100% Acrylic Semi-Gloss Enamel, High-Gloss, Exterior Flat, Exterior Satin, Exterior Semi-gloss Trim Enamel, Interior/Exterior Multi-Purpose Primer, Interior Drywall Primer	N	N	N	Y		Y	N	Y	Zero VOC, non-toxic, zero-carcinogenic	
			Latex, Primer	Shikoku International Corporation	EcoDeVita SKPT	Y								Japanese plaster like coating	
x		1	Latex, Paint	American Formulating & Manufacturing	ZERO VOC Flat, Pearl, Eggshell, Semi-Gloss	Y	N	N	N		Y	N	N		
		1	Latex, Primer	Yolo Colorhouse	Inside zero-VOC Flat, Eggshell, Semi-Gloss, Inside zero-VOC Primer, zero-VOC transitional primer	N	N	Y	N	16	Y	N	Y	Limited color palette of 40+ colors. All colors are zero-VOC.	
		1	Latex, Paint	American Formulating & Manufacturing	1411 Flat Zero VOC, 1412 Zero-VOC Semi-gloss, 1413 Pearl Zero VOC, 1416 Eggshell Zero VOC	Y	N	N	N		Y	N	N	Zero-VOC, no harmful chemicals, no added solvents	
x		1	Latex, Paint	Sherwin Williams	Harmony Interior Acrylic Latex Flat, Eggshell, Semi-Gloss; Pro Industrial Zero-VOC Acrylic Gloss, Semi-Gloss	N	Y	N	Y	12	**Y	**N	Y	Base paint contains zero-VOC. Added colorants may impact VOC content	
x		1	Latex, Primer	Benjamin Moore	Natura Interior Waterborne Paint, Primer 511	N	Y	**Y	Y		**Y	**N	Y		
x		2	Latex, Paint	PPG Olympic Paint	Zero-VOC Premium Interior Paint: Flat, Eggshell, Satin, Semi-Gloss	N	N	**N	N		**Y	**N	Y	Base paint contains zero-VOC. Added colorants may impact VOC content	
	x	2	Latex Paint	PPG Pittsburgh Paints	Pure Performance	N	Y	N	Y	15	Y	N		Base paint contains zero-VOC. Added colorants may impact VOC content	
	x	2	Latex Paint	Sherwin Williams	ProMar 200 Zero VOC Interior Latex	N	Y	N	Y		Y	N		Base paint contains zero-VOC. Added colorants may impact VOC content (Greenspec states up to 2 g/L)	
	x		Latex Paint	PPG Pittsburgh Paints	Speedhide Zero VOC									*NEW PRODUCT (on greenspec but not currently listed on manufacturer's website)	
	x	2	Latex Paint	California Paints	Envirotech Zero VOC (Commerical Grade paint) (Flat, Eggshell, Semi Gloss), Flawless Elements Zero VOC (Flat, Eggshell, Semi Gloss, Pearl)	N	N	N	N	12	Y	N	N	Green Wise Certified http://www.greenwisepaint.com/	
x		1	Latex, Paint	Benjamin Moore	Eco-Spec Interior Latex Flat 219, Eggshell 223, Semi-Gloss Enamel 224, Eco-Spec Interior Primer; Pro Industrial Pro-Cryl Universal Acrylic Primer	N	Y	N	Y	12	**Y	**N	Y	Base paint contains low-VOC. BM Gennex colorant system is also zero-VOC	
		1	Latex, Paint	Benjamin Moore	Regal Flat, Matte, Eggshell, Pearl, Semi-Gloss	N	N	N	Y		N	Y	Y		
		2	Latex, Primer	American Formulating & Manufacturing	8090 Transitional Primer, 1018 New Wallboard Primecoat, 8020 Metalcoat Acrylic Metal Primer	Y	N	N	N		N	Y	N		
x		3	Latex, Paint	Sherwin Williams	ProGreen 200 Low VOC Paint Flat, Low-Sheen, Eggshell, Semi-Gloss, ProGreen 200 Low VOC Paint Primer	N	Y	N	Y	10	**N	**50 g/L	Y	Base paint contains low-VOC. Added colorants may impact VOC content	

Update	New	RANKING	Material	Manufacturer	Product Line	Environmental Certificates				PHAROS LISTED (Y/N)	Pollutants			Notes	WARRANTY
						SCS Certified Indoor Advantage Gold	GreenGuard	Green Seal	MPI Green Performance (VOC & Known Carcinogens)		No-VOC	Low-VOC	No Toxins or Carcinogens		
			WOOD FLOOR FINISHES												
	x	1	2 Component Water Base Urethane	Bona	Bona Traffic	N	Y	N	N			210 g/L			
	x	1	1 Component Water Base Urethane	AFM Safecoat	Polyureseal BP	SCS GOLD	N	N	N			275 g/L			
	x	2	Oil Based Finish	Woca	Diamond Oil	N	N	N	N		*Manufacturer claims product to be VOC free		Contains Naphtha	available MSDS is European	
	x	3	1 Component Water Based Acrylic Sealer	Bona	Bonaseal	N	Y	N	N			100 g/L		Sealers are used to block tanins from darkening wood flooring. Sealers are applied as a base coat for top coat finishes.	
		3	2 Component Water Base Urethane	Basic Coatings	Street Shoe 275 (Water Based Top Coat)	N	N	N	N			275 g/L			
		3	Once Component Wood Floor Finish	Dura Seal	1000 Water Based Finish		N					350 g/L		2 year warranty on product performance./conformity to specifications	
			WOOD STAINS												
	x	1	Water Based Wood Stain	AFM Safecoat	DuroStain	SCS GOLD	N	N	N			67 g/L			
	x	2	Water / Soy Based Wood Stain	Eco Safety Products	Timbersoy	N	N	N	N			<25 g/L			
	x	3	Solvent Free Oil Based Wood Stain	OSMO	Polyx Professional Color Oil	N	N	N	N			7.6 g/L			
	x	3	Oil Based Wood Stain	Minwax	Wood Finish 250 VOC Compliant	N	N	N	N			250 g/L			
			Epoxy & Polyurethane												
	x	1	Water Based Epoxy	Rustoleum Industrial	Sierra Performance S40 Water Based Epoxy Floor Coating	N	N	Y	N	12	VOC Free				
		2	Water Based Epoxy	Richard James Specialty Chemicals Corp	200 - Series Epoxy Primer	N	N	N	N			2.35 g/L		Warranted to meet manufacturers specs.	
	x	3	Water Based Epoxy	Richard James Specialty Chemicals Corp	StoneLok E3	N	N	N	N			**97.5 g/L			
	x	3	Water Based Polyurethane	Richard James Specialty Chemicals Corp	StoneLok MLT Plus	N	N	N	N			**100 g/L			

Presently used by Yale

RANKING	Material	FORM	Manufacturer	Product Line	Environmental Certificates				Pollutants			Notes
									No-VOC	Low-VOC	Sodium Hydroxide, N-MethylPyrrolidone (NMP), Methylene Chloride (also called dichloromethane, or DCM)	
PAINT REMOVER												
1	Water Based (Bio Degradable) Paint Stripper	Paste, Aerosol	Dumond	Smart Strip					Y		N	no environmental certificates.
2	Water Based (Bio Degradable) Paint Stripper	Paste	Dumond	Smart Strip Pro						60 g/L	N	no environmental certificates.
2	Soy Based Paint Stripper	Liquid	Eco Safety Products	Soy It	EPA DESIGN FOR THE ENVIRONMENT					4.4% (by weight?)	N	
3	Soy Based (Bio Degradable) Paint Stripper	Gel	Franmar Chemical	Soy Gel					SEE NOTES		NMP	manufacturer states in product data that VOC content is LVP-VOC exempt
3	Soy Based Lead Paint Stripper		Franmar Chemical	Lead Out Paint Stripper						<48%	NMP	no environmental certificates, however because this product is designed to 'isolate' heavy metals into a non hazardous state this product should not be compared with other general purpose paint removers. Its VOC content should be viewed as unsequential as the product products users from lead exposure.
3	Soy Based Lead Paint Stripper	Liquid	Eco Safety Products	Soy It Lead Paint & HD Stripper	EPA DESIGN FOR THE ENVIRONMENT					<50%		because this product is designed to 'isolate' heavy metals into a non hazardous state this product should not be compared with other general purpose paint removers. Its VOC content should be viewed as unsequential as the product products users from lead exposure.

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	Wood Substrate	Adhesives and Sealants	Doors	Windows	Flooring	Ceiling	Wall Finishes	Coatings	Paint Remover
CSI Division	X	X	X	X	X	X	X	X	X
Material	X	X	X	X	X	X	X	X	X
Unit/Size	X	X	X	X	X	X	X	X	X
Type	X	X	X	X	X	X	X	X	X
Manufacturer's product line	X	X	X	X	X	X	X	X	X
	Material Grade	Material Applications (ex: wood to wood, wood to metal, vinyl, frp, wallpaper, laminate, etc.)			Backing System				
Installation method	X	X	X	X	X	X	X	X	X
Cleaning characteristics	X		X	X	X	X	X	X	X
Construction Application		X							
Density	X	X	X	X	X	X	X	X	X
Embodied Energy	X	X	X	X	X	X	X	X	X
Carbon Impact	X	X	X	X	X	X	X	X	X
Recycled Content (Post-consumer and Post-industrial, cumulative)	X		X	X	X	X	X		
Renewable Mat'ls (Rapidly renewable, %)	X	X	X	X	X	X	X	X	X
Local suppliers	X	X	X	X	X	X	X	X	X
Notes	X	X	X	X	X	X	X	X	X
Warranty	X	X	X	X	X	X	X	X	X
Pollutants (No-VOC, low-VOC, Free of Added Urea Formadehyde)	X	X	X	X	X		X	X	X
Other items	Binder type	Material base water or solvent)		U-Factor (Thermal Transmittance), Solar Heat Gain Coefficient (SHGC), Visible Light Transmittance (VLT)					
Ingredients of note									
Environmental Certifications									
	SCS		FSC	Energy compliant	NSF-140 or SCS Sustainable Choice or GREENGUARD	GREENGUARD (VOC)	SCS Certified Indoor Advantage Gold	SCS Certified Indoor Advantage Gold	
	EPP		Greenguard	FSC or SFI	Green Label Plus or Floor Score	SCS Certified	GreenGuard	GreenGuard	
	CARB ATCM					Cradle-to-Cradle	Green Seal	Green Seal	
	FSC/FSI						MPI Green Performance (VOC & Formaldehyde)	MPI Green Performance (VOC & Formaldehyde)	
							FSC		
							Cradle-to-Cradle		