



# Poudre School District Sustainable Materials / Considerations

Updated: July 2, 2001

## Sustainable Products:

	Product	Manufacturer	Sustainable Quality	Phone	Website	Approved/ Rejected – Why	Project Used On
1	Gravel Pave	Invisible Structures	Reinforced, stabilized, porous pavement. Water permeates the soil at a more natural rate	800-233-1510			
2	Insulated Forms	Eco Block	Recycled material	505-275-0321			
3	Brick and Block	Powers Products-Matt	Recyclable, made locally from natural materials	484-1292			
		Valley Block(CMU)-Loren Engle	Recyclable, made locally from natural materials	667-4480			
4	Steel	Vulcraft	Recyclable	402-644-8500			
5	Steel Studs	Allied Studco	Made of recycled steel	800-877-8823			
6	Rye grass wall panels	Meadowood Industries	In lieu of wood	541-259-1303			
7	Accent Tiles	Madera Commercial	Made from post-agricultural sources	800-767-4495			
8	Formaldehyde free particle board	Isoboard	In cabinetry and throughout	503-242-7345			
9	Formica	Larson Distributing	Contains filler paper from non-rainforest timber and water based resins	303-296-7253			
10	Cellulose insulation	Greenstone Cocoon	Recycled wood/paper fibers	800-888-6286			
11	Rubber siding	Eco-Star-Ed Cochran	Recycled rubber	307-634-0649			
12	White roofing	Manville- Sue Girard	Reflecting, minimizes heat gain	303-933-7979			
13	Gypsum board	Temple Wallboard	Contains 95% recycled material	800-231-6060			
		CO Drywall Supply- Ed Sleeman 3557 Wazee Street/80216	Contains 95% recycled material	303-297-0401			
14	Ceramic tile	Crossville “Eco-Cycle” Design Materials Inc.	Contains 95% recycle materials	800-999-8453			
15	Acoustical Ceiling tile	Armstrong – Randy Lay	Contains 45% recycled materials	888-ceiling x8173			

16	Vinyl floor tile	Mannington Commercial Larson Distributing	Contains 10% minimum recycled materials	303-296-7253			
17	Linoleum	Forbo Industries-Bill Holmes	Contains 100% organic materials	303-750-3822			
		Armstrong – Kevin Ball	Contains 100% organic materials	800-356-9301 x8309			
18	Rubber floor	Dodge-Regupol “Eco-surfaces” “Eco-nights”	Made of 80% recycled material from tires	877-ECO-SURFACES			
19	Carpet	Collins & Aikman-John Kimball	Recycled backing, up to 100% recycled nylon fiber	303-741-0051			
20	Water-based concrete stain	Pro Construction Supply – “Spike”	In lieu ones with lacquer based solvents.	225-3905			
21	Wall covering	Design Materials- Bob Montessor	Contains 100% organic materials	303-972-2600			
22	Paints	Sherwin Williams-Dann Stark	Low volatile organic content	226-0116			
		Benjamin Moore	Low volatile organic content	303-294-9222			
23	Plastic Toilet Compartments	Santana	Contains recycled products	800-368-5002			
24	Natural Cork	Primewin	Natural, no vinyl	303-697-1870			
		Claridge	Natural, no vinyl	707-664-9964			
		Polyvision/Nelson-Adams (Greensteel)	Natural, no vinyl	918-759-2301			
25	Solatube	Northern Colorado Skylights	Part of fully daylighting the classrooms	493-8241			
26	Fabric Ducts	Ductsox- CFM Co.		493-7272			
		Jerry Kiel		303-761-2291			
27	Asphalt		Recycled content				
28	Concrete		Reuse of flyash in mix				
29	Plastic lumber		In lieu of woodwork at trash enclosures and display cases				
30	Sheathing preservative		Environmentally friendly on building sheathing				
31	Wood Beams/decking		Renewable and recyclable				
32	Relocateable casework		Reduce cost of future remodels due to classes/grades moving				
33	Countertops		Pre-finished straw containing board in the countertops				
34	Galvanized steel, non-corrosive/aluminum/zinc coating		Recyclable, long life cycle, maintenance free				

35	Aluminum framing systems		Anodized vs painted finish. Recyclable, long life cycle, maintenance free				
36	Low-E tinted glazing		Reduce heat gain and conserve energy				
37	Metal corner guards		Made of scraps from wall panels				
38	Furniture- computer desks	Virco - Mojave	Recycled: Steel 20%, cartons 50%, upholstery 40%, wood				

### Other Sustainable Concepts:

	Concept	Sustainable quality
1	Recycling	15% minimum, 25% Target diversion rate during construction. Recycling center located within the school
2	Landscaping- Xeriscape	Minimize irrigated turf and plants
3	Irrigation	Use of raw water vs treated water
4	Bioretention	Improves water quality of runoff, especially from parking lots
5	Wetlands	Conservations of wetland areas. Work area into design of site
6	Building orientation on site	Minimizes unwanted solar gain, ice formation at entries. Entry faces south.
7	Insulation	Maximum insulation designed into building envelope for energy conservation
8	Two story design	Reduces roof area and building envelope
9	Vinyl wall coverings	Vinyl is not environmentally friendly
10	Piping	Stacked plumbing fixtures to reduce amount of piping
11	Lighting controls	Limit the amount of artificial light when not needed. Motion detectors, high-efficiency solid-state ballasts, color balanced lamps
12	Cooling	Thermal Ice-storage system
13	Air returns	Low in rooms to more efficiently condition the spaces
14	CO2 sensors	Decrease heating and cooling in unoccupied spaces

### Sustainable Materials – Review considerations

	Consideration
1	First cost vs Life Cycle costs
2	Recycled ingredients
3	Packaging
4	Transportation to site
5	Construction methods and materials
6	Labor/labor type used to install
7	Coating required (paints, sealers, waxes)
8	Does product harbor mold or milder?
9	Cleaning and maintenance (solvents, re-coating, fertilization, pest control)
10	Impact on others (IAQ, groundwater, vegetation)
11	Durability/life-expectancy

12	Replace parts, or entire product/assembly
13	Ease of replacement without impact to other materials
14	How product will be or was recycled
15	Recycle-ability, closed-loop life cycle; downcycling
16	“Green” certification
17	Energy efficiency
18	Environmental consciousness of the manufacturer
19	Can this product/material “Teach”?