

PDX TERMINAL DESIGN STANDARDS

LIST OF MATERIALS FOR TENANT SPACES: RECOMMENDED SUSTAINABILITY PERFORMANCE STANDARDS & LOCAL RESOURCE OPTIONS

Last Revised: June 2013

The Port provides this list as a resource to assist PDX tenant design and construction teams identify and use more sustainable building materials. It does not endorse any of the products listed below, and website accuracy cannot be guaranteed.

Additions and corrections to this list are welcomed. Please send edits to: tenantimprovements@portofportland.com.

MATERIAL	RECOMMENDED PERFORMANCE STANDARDS	LOCAL SOURCING PROVIDERS
Carpet	Carpet & Rug Institute's Green Label Plus certified 50% + total recycled content 50% + rapidly renewable content Low-VOC Carpet Adhesive, 50 g/L or less	
Wall Base & Wainscot - Stainless Steel	80% + total recycled content	Streimer Sheet Metal Works, www.streimer.com Hanset, www.hansetcorp.com A2 Fabrication, www.a2fab.com SEALEDESIGN, www.sealedesign.com (decorative metal work) Specialty Metal Fabricators, www.specailtymetalfab.com
Tile	30% + total recycled content FloorScore certified No- or low-VOC tile adhesive, 65 g/L or less No- or low-VOC tile grout, 0 g/L No- or low-VOC tile sealer, 250 g/L or less	Ann Sacks (Eco-Thinking), www.annsacks.com Pratt & Larson Ceramics, www.prattandlarson.com Clayhaus Ceramics, www.clayhausceramics.com Quarry Tile, www.quarrytile.com
Wall Framing - Wood	Pacific Northwest-harvested & manufactured FSC-certified	Sustainable NW Wood, www.snwwood.com
Wall Framing - Steel	Pacific Northwest-recovered & manufactured 30% + total recycled content	SCAFCO, www.scafco.com
Gypsum Wallboard	20%+ post-consumer recycled content	Georgia Pacific, www.gp.com
Ceilings - Metal	If aluminum, 60% post- and 40% pre-consumer recycled If steel, 30%+ total recycled content	Streimer Sheet Metal Works, www.streimer.com Hanset, www.hansetcorp.com A2 Fabrication, www.a2fab.com SEALEDESIGN, www.sealedesign.com (decorative metal work) Specialty Metal Fabricators, www.specailtymetalfab.com

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Ceilings - Wood	Pacific Northwest-harvested & manufactured FSC-certified	Sustainable NW Wood, www.snwwood.com 9Wood, www.9wood.com																								
Ceilings - Panel	Suspension: 30%+ total recycled content Panels: 50%+ total recycled content 25% rapidly renewable content	Armstrong -Cirrus and Bioacoustic, www.armstrong.com																								
Doors - Wood	Pacific Northwest-harvested & manufactured FSC-certified No added urea-formaldehyde (NAUF)	Oregon Door, www.oregondoors.com Lynden Doors, www.lyndendoors.com																								
Doors - Metal	25%+ post-consumer recycled content																									
Counter Casework	Pacific Northwest-harvested & manufactured FSC-certified No added urea-formaldehyde (NAUF)	Sustainable NW Wood, www.snwwood.com Columbia Forest Products, www.columbiaforestproducts.com Roseburg Forest Products, www.roseburg.com																								
Countertops	50% + pre-consumer recycled content No added urea-formaldehyde resins No added urea-formaldehyde laminate adhesives FSC-certified wood components	Richlite Company, www.richlite.com Paperstone, www.paperstoneproducts.com Ecocrush, www.ecocrushusa.com Fuez, www.fuez.com Squak Mountain Stone, www.squakmountainstone.com																								
Light Fixtures	CFL- compatible LED-compatible UL-listed	Rejuvenation, www.rejuvenation.com Schoolhouse Electric, www.schoolhouseelectric.com Eleek, www.eleek.com																								
Coatings & Paints	No- or low-VOC content products with the following VOC (g/L) limits for the following categories of paints and coatings. (Reference: USGBC LEED 2009 standards, Green Seal GS-11 and GC-03, and SCAQMD Rule #1113, 2004) <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Paints and Primers:</u></th> <th style="text-align: right;"><u>VOC limit (g/L)</u></th> </tr> </thead> <tbody> <tr> <td>Non-flat</td> <td style="text-align: right;">150</td> </tr> <tr> <td>Flat</td> <td style="text-align: right;">50</td> </tr> <tr> <td><u>Anti-corrosive and Anti-rust Paints:</u></td> <td></td> </tr> <tr> <td>Gloss</td> <td style="text-align: right;">250</td> </tr> <tr> <td>Semi-Gloss and Flat</td> <td style="text-align: right;">250</td> </tr> <tr> <td><u>Coatings:</u></td> <td></td> </tr> <tr> <td>Clear Wood Finish: Lacquer</td> <td style="text-align: right;">550</td> </tr> <tr> <td>Clear Wood Finish: Sanding Sealer</td> <td style="text-align: right;">350</td> </tr> <tr> <td>Clear Wood Finish: Varnish</td> <td style="text-align: right;">350</td> </tr> <tr> <td>Clear Brushing Lacquer</td> <td style="text-align: right;">680</td> </tr> <tr> <td>Floor Coatings</td> <td style="text-align: right;">100</td> </tr> </tbody> </table>	<u>Paints and Primers:</u>	<u>VOC limit (g/L)</u>	Non-flat	150	Flat	50	<u>Anti-corrosive and Anti-rust Paints:</u>		Gloss	250	Semi-Gloss and Flat	250	<u>Coatings:</u>		Clear Wood Finish: Lacquer	550	Clear Wood Finish: Sanding Sealer	350	Clear Wood Finish: Varnish	350	Clear Brushing Lacquer	680	Floor Coatings	100	Miller Paint (Acro Pure or Devine), www.millerpaint.com Rodda Paint (Horizon), www.roddapaint.com YOLO Colorhouse, www.yolocolorhouse.com MetroPaint, www.oregonmetro.gov
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	Sealers and Undercoaters 200 Shellac: Clear 730 Shellac: Pigmented 550 Stain 250 Concrete Curing Compounds 350 Japans/Faux Finishing Coatings 350 Magnesite Cement Coatings 450 Pigmented Lacquer 550 Waterproofing Sealers 250 Waterproofing Concrete/Masonry Sealers 400 Wood Preservatives 350 Low-Solids Coatings 120																																											
Adhesives & Sealants	<p>No- or low-VOC content products with the following VOC (g/L) limits for the following categories of adhesives and sealants. (Reference: USGBC LEED 2009 standard, SCAQMD Rule #1168, 2005)</p> <table border="0"> <thead> <tr> <th data-bbox="499 740 863 764"><u>Architectural Adhesives Applications:</u></th> <th data-bbox="911 740 1062 764"><u>VOC limit (g/L)</u></th> </tr> </thead> <tbody> <tr><td data-bbox="499 773 743 797">Indoor Carpet Adhesives</td><td data-bbox="982 773 1016 797">50</td></tr> <tr><td data-bbox="499 805 716 829">Carpet Pad Adhesives</td><td data-bbox="982 805 1016 829">50</td></tr> <tr><td data-bbox="499 837 751 862">Wood Flooring Adhesives</td><td data-bbox="974 837 1024 862">100</td></tr> <tr><td data-bbox="499 870 737 894">Rubber Floor Adhesives</td><td data-bbox="982 870 1016 894">60</td></tr> <tr><td data-bbox="499 902 688 927">Subfloor Adhesives</td><td data-bbox="982 902 1016 927">50</td></tr> <tr><td data-bbox="499 935 726 959">Ceramic Tile Adhesives</td><td data-bbox="982 935 1016 959">65</td></tr> <tr><td data-bbox="499 967 806 992">VCT and Asphalt Tile Adhesives</td><td data-bbox="982 967 1016 992">50</td></tr> <tr><td data-bbox="499 1000 793 1024">Dry Wall and Panel Adhesives</td><td data-bbox="982 1000 1016 1024">50</td></tr> <tr><td data-bbox="499 1032 695 1057">Cove base Adhesive</td><td data-bbox="982 1032 1016 1057">50</td></tr> <tr><td data-bbox="499 1065 863 1089">Multipurpose Construction Adhesive</td><td data-bbox="982 1065 1016 1089">70</td></tr> <tr><td data-bbox="499 1097 779 1122">Structural Glazing Adhesives</td><td data-bbox="974 1097 1024 1122">100</td></tr> <tr> <th data-bbox="499 1130 617 1154"><u>Substrates:</u></th> <th></th> </tr> <tr><td data-bbox="499 1162 653 1187">Metal to metal</td><td data-bbox="982 1162 1016 1187">30</td></tr> <tr><td data-bbox="499 1195 632 1219">Plastic foams</td><td data-bbox="982 1195 1016 1219">50</td></tr> <tr><td data-bbox="499 1227 789 1252">Porous material except wood</td><td data-bbox="982 1227 1016 1252">50</td></tr> <tr><td data-bbox="499 1260 562 1284">Wood</td><td data-bbox="982 1260 1016 1284">30</td></tr> <tr><td data-bbox="499 1292 604 1317">Fiberglass</td><td data-bbox="982 1292 1016 1317">80</td></tr> <tr> <th data-bbox="499 1325 722 1349"><u>Specialty Applications:</u></th> <th></th> </tr> <tr><td data-bbox="499 1357 625 1382">PVC welding</td><td data-bbox="974 1357 1024 1382">510</td></tr> <tr><td data-bbox="499 1390 638 1414">CPVC welding</td><td data-bbox="974 1390 1024 1414">490</td></tr> </tbody> </table>	<u>Architectural Adhesives Applications:</u>	<u>VOC limit (g/L)</u>	Indoor Carpet Adhesives	50	Carpet Pad Adhesives	50	Wood Flooring Adhesives	100	Rubber Floor Adhesives	60	Subfloor Adhesives	50	Ceramic Tile Adhesives	65	VCT and Asphalt Tile Adhesives	50	Dry Wall and Panel Adhesives	50	Cove base Adhesive	50	Multipurpose Construction Adhesive	70	Structural Glazing Adhesives	100	<u>Substrates:</u>		Metal to metal	30	Plastic foams	50	Porous material except wood	50	Wood	30	Fiberglass	80	<u>Specialty Applications:</u>		PVC welding	510	CPVC welding	490	
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	ABS welding 325 Plastic cement welding 250 Adhesive primer for plastic 550 Contact Adhesive 80 Special Purpose Contact Adhesives 250 Structural Wood Member Adhesives 140 Sheet Applied Rubber Lining Operations 850 Top and Trim Adhesive 250 <u>Sealants:</u> Architectural 250 Non-membrane Roof 300 Single-Ply Roof Membrane 450 Other 420 <u>Sealant Primers:</u> Architectural (non-porous) 250 Architectural (porous) 775 Other 750	
Furniture & Furnishings	GreenGuard-certified	
Salvaged Building Materials	Salvaged or surplus materials	Boneyard Northwest, www.boneyardNW.org The ReBuilding Center, www.rebuildingcenter.org Scrap, www.scrappdx.org Habitat for Humanity ReStore, www.pdxrestore.org
Deconstruction Services	Salvage for reuse onsite, another project, or donation	DeConstruction Services of The ReBuilding Center, www.rebuildingcenter.org Lovett Deconstruction, www.lovettdconstruction.com