



Free

PVC-FREE FLOORING



Free

Adding beauty and maintaining our environment just got easier

We realize that decisions made today have a global impact in the future and we are pleased to support the growing demand for PVC-Free products by opening the door to a new flooring option. It is with a great deal of pride that we introduce Halo Free. This distinctive collection includes 4" x 36" and 6" x 48" planks, 18" x 18" tiles and the our very special 24" x 24" Piazza tiles.

Discover Halo Free, an excellent combination of color, pattern, design.



Rustic Plank (6" x 48")



FW614

Bleached Plank



FW613

Natural Plank



FW612

Scrubbed Plank



FW616

Country Plank



FW611

Redwood Plank



FW610

Antique Plank

Classic Plank (4" x 48")



FW781

Sugar Maple



FW167

Bamboo



FW163

Vermont Maple



FW253

Classic Oak



FW145

Vintage Maple



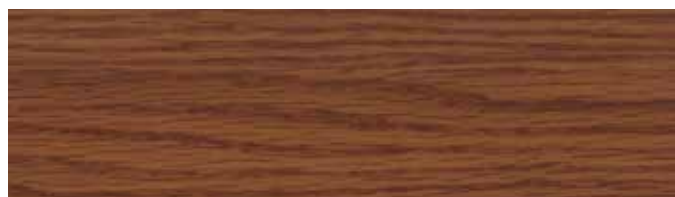
FW257

Golden Oak



FW146

Antique Maple



FW294

Red Oak



FW645

Colonial Walnut



FW115

American Cherry



FW106

Black Walnut



FW303

Brazilian Cherry

CBC flooring - Our Story

CBC Flooring is committed to advance sustainability by marketing the finest flooring products from around the globe. We strive to reduce waste, limit the consumption of natural resources and preserve the Earth's environment for future generations.

All CBC Flooring brands are synonymous with excellence in quality and environmental friendliness. Our products must meet the strict guidelines we've established to reduce our carbon footprint. While the CBC flooring family has made great strides in its sustainability efforts over the last few years, we believe there is always room for improvement and remain committed to the research and development of sustainable products.

Earth friendly and easy to maintain, Halo Free is just our way of letting you have it all.

- PVC-Free
- Clarity of design
- Outstanding stain resistance
- Low maintenance - with or without a floor finish
- Superior appearance retention
- Low VOC's - FloorScore certified
- Free of Halogens, Plasticizers & Chlorine
- Excellent color stability
- Ease of installation
- May contribute to LEED credits



High marks for high performance

This collection is more than meets the eye and far superior to similar products currently available. With better quality print films improving the realistic look of each stone and plank and a wear layer that outlasts similar products. Results of tabor abrasion tests show Halo Free has 30% less wear than similar products and after 2,000 revolutions 70% less wear than standard luxury vinyl tiles and planks.

Walkway (18" x 18")



FM817 Morning



FM818 Evening



FM819 Noon

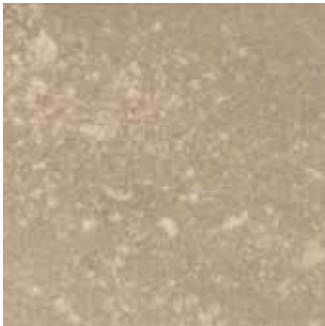
Town Square (18" x 18")



FC815 Monument



FC816 BandStand



FC812 Park Bench

Piazza (24" x 24")



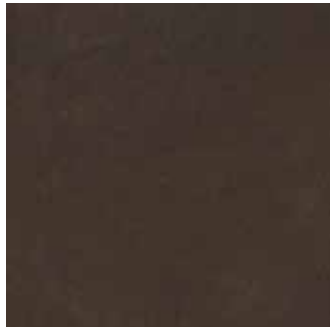
FPZ06 Parchment



FPZ04 Dove



FPZ07 DeepTaupe



FPZ08 Truffle

Recommended Product Applications

The following application chart is provided to aid in understanding where Halo Free is recommended for use. This application chart is a subjective recommendation and is predicated upon the adherence to proper installation techniques; specific location of installation; level of foot traffic; and the type and professional level of maintenance practiced on-site.

	Free	Woods	Stones & More	Something Different	Asento
Healthcare					
Cafeterias	★	★	★	★	●
Corridors	★	★	★	★	●
Dialysis	★	●	●	●	
Elevators	●	●	●	●	
Emergency Department	★	●	●	●	
Exam/Prep Room	★	●	●	●	
Hydrotherapy Room		●	●	●	
Intensive Care	★	●	●	●	
Laboratories	●	●	●	●	
Lobbies	★	★	★	★	●
Neonatal Intensive Care	★	●	●	●	
Nurses Station	★	★	★	★	●
Offices	★	★	★	★	●
Operating Room					
Patient Room	★	★	★	★	●
Pharmacy	★	★	★	★	●
Physical Therapy Room	●	●	●	●	
Ramps (indoor/outdoor)					
Stairways/Landings (indoor/outdoor)					
Staff Lounge	★	★	★	★	●
Storage/Utility Room	★	●	●	●	●
Waiting Room	★	★	★	★	●
Retail					
Drug Store	★	★	★	★	●
Indoor Mall Common Areas	★	●	●	●	●
Sales Floor – Dept Store	★	★	★	★	●
Sales Floor – Mass Merchandiser	●	●	●	●	
Specialty Shops	★	★	★	★	●
Education					
Auditorium	●	●	●	●	
Cafeterias	★	★	★	★	●
Classrooms	★	★	★	★	●
Computer Rooms	●	●	●	●	●
Corridors	★	★	★	★	●
Dormitories	★	★	★	★	●
Entryways	★	★	★	★	●
Food Service Area		●	●	●	
Gymnasium					
Laboratories	●	●	●	●	
Lavatories					
Libraries	★	★	★	★	●
Locker Rooms					
Multipurpose		●	●	●	
Offices	★	★	★	★	●
Ramps (indoor)					
Ramps (outdoor)					
Showers					
Stairways/Landings					
Teachers Lounge	★	★	★	★	●
Utility/Storage Area	★	●	●	●	●
Institutional					
Churches	★	★	★	★	●
Courthouses	★	★	★	★	●
Funeral Houses	★	★	★	★	●
Libraries	★	★	★	★	●
Museums	★	★	★	★	●
Prisons	★	●	●	●	●
Hospitality					
Conference Rooms	★	★	★	★	●
Corridors	★	★	★	★	●
Dance Floor	●	●	●	●	
Dining Areas	★	★	★	★	●
Elevators	●	●	●	●	
Exercise Rooms					
Guest Bathrooms	●	●	●	●	
Guest Rooms	★	★	★	★	
Lobbies	★	★	★	★	●
Lounges	★	★	★	★	●
Stairways/Landings					
Vending Areas	●	●	●	●	●
Office					
Computer Rooms	●				
Conference Rooms	★	★	★	★	●
Corridors	★	★	★	★	●
Dining Areas	★	★	★	★	●
Elevators	●	●	●	●	
Lavatories		●	●	●	
Lobbies	★	★	★	★	●
Offices	★	★	★	★	●
Stairways/Landings					
Storage Rooms	★	●	●	●	●

★ Highly Recommended
● Recommended

USGBC-LEED® Credits

(✓) Based on the 2009 LEED rating system and the overall scope of your project, product may contribute to your LEED scorecard.

Materials & Resources							Indoor Environmental Quality		
Product	MR Credit 1.2: Building Reuse	MR Credit 2: Construction Waste Management	MR Credit 3.1: Materials Reuse	Recycled Content Pre-Consumer	Recycled Content Post-Consumer	MR Credit 4: Recycled Content Contribution (Sum of post-consumer + 1/2 pre-consumer)	IEQ Credit 4.1: Low Emitting Materials - Adhesives	IEQ Credit 4.3: Low Emitting Materials - Flooring Systems	California Section 01350 Compliant FloorScore Certified SCS-FS-01648
Free	✓	✓	✓	0%	0%	0%	✓	✓	✓

Resistance to Staining & Chemicals per ASTM F 925

Chemicals	1 Hour	24 Hours
Acetic Acid – 28%	0	0
Hydrochloric Acid – 38%	0	0
Ammonium Hydroxide – 10%	0	0
Ammonium Hydroxide – 30%	0	0
Potassium Hydroxide – 15%	0	0
Sodium Hydroxide – 15%	0	0
Sodium Hydroxide – 50%	0	0
Sulfuric Acid – 40%	0	0
Sulfuric Acid – 10%	0	0

Hospital Stains & Chemicals	1 Hour	24 Hours
Aniline Blue – 2.5	0	0
Basic Fuchsin	0	2
Carbol Fuchsin	3	3
Dialysis Solution	0	0
Eosin – 1%	1	0
Giesma Blood Stain	0	1
Hema 3 Solution	0	0
Hematoxylin – 5%	0	0
Hydrogen Peroxide – 30%	0	0
Iodine Tincture	2	1
Methylene Blue	0	0
Potassium Permanganate – .5%	1	3
Provine-Iodine	2	3
Rhondamine B. Base	0	1
Urea Solution	0	0
Wright's Blood Stain	1	1

Solvents	1 Hour	24 Hours
Ethyl (Denatured) Alcohol	0	0
Formaldehyde – 37%	0	0
Isopropyl Alcohol	0	0
Mineral Spirits	0	0
Turpentine	0	0

Miscellaneous Stains & Chemicals	1 Hour	24 Hours
Betadine Skin Cleanser	0	0
Hand Sanitizer (Alcohol Based)	0	0
Phenolic Disinfectant Cleaner	0	0
Quaternary Disinfectant Cleaner	0	0
Bleach	0	0

Changes 0: None 1: Slight 2: Moderate 3: Severe

Halo Free pass ASTM Test Method F 925, Resistance to Chemicals. F 925 calls for exposure to chemicals for one hour. The chart above shows results for the required 1 hour and even more severe testing protocol over a 24 hour period. Halo Free is tested without any applied sealers or floor finishes and are cleaned with a cotton cloth after exposure. For the most accurate results, CBC Flooring recommends using the customer's chemicals on actual product samples that have been treated with the maintenance products to be used on the finished floor. Halo Free is readily available for testing from CBC Flooring.

Product Characteristics

Standard Spec	ASTM F 1700
Classification	Class III Type B
Overall Thickness	2.5 mm (0.10")
Wear Layer Thickness	0.55 mm (0.022")

WOOD

Nominal Dimensions / Packaging	4" x 36" (102 mm x 914 mm) 36 pc/ctn (36 sf/ctn)
	6" x 48" (152 mm x 1220 mm) 24 pc/ctn (36 sf/ctn)

STONE

Nominal Dimensions / Packaging	18" x 18" (457 mm x 457 mm) 20 pc/ctn (36 sf/ctn)
	24" x 24" (610 mm x 610 mm) 8 pc/ctn (32 sf/ctn)

Fire

ASTM E 648 Critical Radiant Flux	Class 1 Passes
ASTM E 662 Smoke Generation	< 450 non-flaming

Test Performance

ASTM F 1700 * Standard Specification for Solid Vinyl Floor Tile	Meets or Exceeds Requirements
ASTM C 1028 Static Coefficient of Friction	≥ 0.6 ADA Compliant
ASTM F 970 (Modified) Static Load Limit	750 PSI
ASTM F 925 Chemical Resistance	Passes
ASTM F 137 Flexibility	Passes
ASTM F 1514 Resistance to Heat	Passes
ASTM F 1515 Resistance to Light	Passes
CA 01350 VOC Emissions	Passes FloorScore Certified SCS-FS-01648

Warranty

Halo products are covered by a limited 15-year warranty.

Visit our web site, www.cbcflooring.com for complete details.

* Halo Free is a technically advanced PVC-free flooring. At this time there is no ASTM classification for this PVC-Free floor covering. For testing purposes only, we have chosen to use ASTM F1700 as the standard specification.





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Halo Floors

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
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CBC Flooring



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 Certified paper, contains post-consumer fiber.
 Acid-free recycled material. Printed with organic-based inks.