

Linoleum with 
NATURCote[™]

MARMORETTE[™]
LINORETTE[™] ■ COLORETTE[™]
UNI WALTON[™] ■ GRANETTE[™]



linoleum ■ biobased tile[®] ■ lvt ■ commercial hardwood ■ sheet ■ vct ■ specialty flooring ■ accessories



LINOLEUM

Linoleum with NATURCote™



Armstrong® linoleum now combines the timeless beauty of our most sustainable product along with the superior performance of our exclusive NATURCote™ low-maintenance coating. It's the best of all worlds with an expanded line of 5 designs and 126 colors all designed in a simple organized tonal step system that unites hue, value and chroma.

Unsurpassed Color

Color Continuum™ is a new flexible range of color options that provides a progression of color to optimize product selections across our linoleum line as well as the entire portfolio of commercial products.

- MARMORETTE™ – Timeless standard of design
- LINORETTE™ – Classic modern design
- COLORETTE™ – Fresh uncomplicated colors
- GRANETTE™ – New nature inspired colors
- UNI WALTON™ – Clean and sophisticated visual

Superior Performance

Exclusive NATURCote low-maintenance coating

- Non-strippable
- Dirt resistant
- Resists discoloration from high pH cleaners
- Improves scuff resistance
- Reduces damage from scratching
- Reduces environmental impact by reducing water, chemicals and labor needed for routine maintenance

Natural Sustainability

- Made from renewable raw materials
- Recycled content
- LEED® compliant with EQ4.3 and contributes to MR4.0 and MR6.0
- FloorScore™ certified
- EcoScorecard™ – web-based tool that provides LEED documentation in just a few minutes

ecoscORECARD™

armstrong.com/environment



THE JAY GROUP
MARMORETTE™ LP059 charcoal gray,
LP096 obsidian, LP530 tree frog



Inspiring Choices Since 1909

MARMORETTE™, LINORETTE™, COLORETTE™, GRANETTE™ AND UNI WALTON™ have come together as a collection of inspiring choices. Our line of linoleum has expanded by more than 50%, offering timeless beauty in a high-performance sustainable floor.

So whether it's soft nature inspired colors for health care interiors, sophisticated combinations for education and office environments or pop and sizzle for a retail space, Armstrong® linoleum with NATURCote™ has a design and color for every idea you can create.



LINORETTE

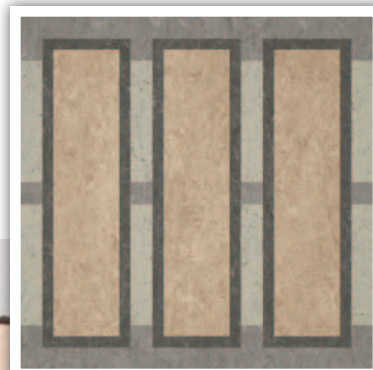
Classic modern design in a full spectrum of 12 saturated colors

- LP402 brisbane blue
- LP403 gobi sand
- LP460 grand canyon

MARMORETTE

Timeless standard of design with 67 tonal step options

- LP092 sand
- LP507 under the boardwalk
- LP552 stone white
- LP553 smoke
- LP554 smolder





GRANETTE™

New nature inspired visual in
18 colors that blend seamlessly
with natural elements

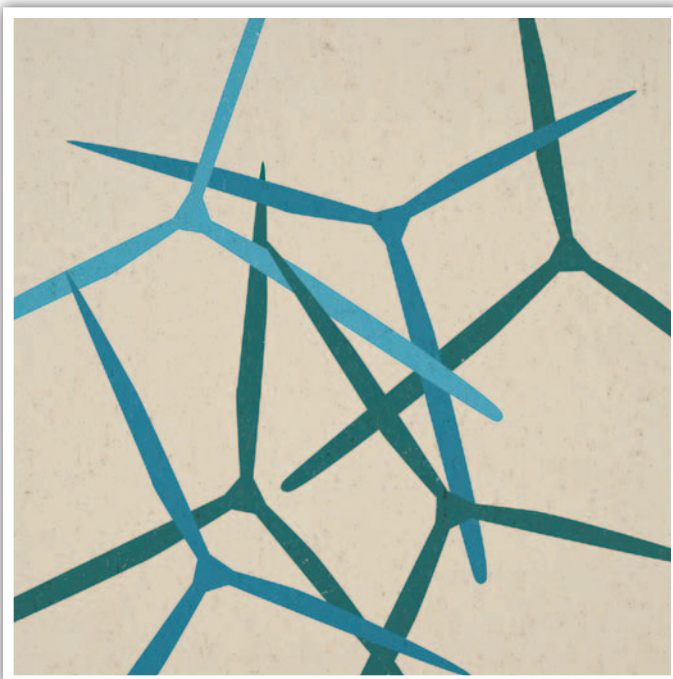
LP170 pollen
LP171 bees knees



UNI WALTON™

Clean and sophisticated visual with
9 colors that can add drama to a space
or just add definition to a design

LP208 night blue
LP236 moss
LP259 white



COLORETTE™

20 fresh uncomplicated colors

LP305 deep end
LP308 scuba
LP321 shallow end



Linoleum is not just another beautiful flooring option, its composition of natural ingredients and saturated pigments combine with our exclusive NATURCote™ high-performance coating to enhance and protect the surface.

Preserves Linoleum’s Natural Beauty

- Resists dirt build up
- Improves scuff resistance
- Reduces damage from scratching

Increases Resistance to Chemicals and Discoloration

- Protects against damage from chemical spills
- Resists discoloration from high pH cleaners and other harsh chemicals

Less Environmental Impact Created by Low Maintenance Coating

- Eliminates the need for initial polish if floors are undamaged during installation
- Reduces time, chemicals and labor needed for routine maintenance
- Less maintenance, chemicals, and water needed to clean floors day-to-day

Exclusive Adhesive Seaming System Saves Installation Time and Costs

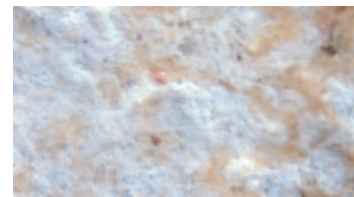
- Armstrong’s exclusive S-761 seam adhesive is faster and more economical than heat-welded seams
- Creates seamless visual

Sustainable Flooring Solution

- Natural renewable raw ingredients
- Recycled content
- LEED® compliant with EQ4.3 and contributes to MR4.0 and MR6.0
- FloorScore™ - certified for low VOC emissions

Seaming Recommendations

Low maintenance spray buff method	Floors that keep their good looks easily
Reduced labor	Less time
Less maintenance materials used over time	Fewer chemicals to buy, store, mix and apply
Uses less water and cleaning agents inside the facility	Reduced disposal into waste water system



MARMORETTE™ with NATURCote



Competitive product with a topcoat



NATURCote resists “yellowing” from maintenance accidents better than competitive linoleum protected with a topcoat



S-761 Seam Adhesive

Heat-Welded Seams

Low Maintenance Advantages

Space	Full Spread S-760 with S-761
Aseptic areas	Not recommended
Medium to heavy commercial traffic	Recommended
Light to medium commercial traffic	Recommended
Heavy static and dynamic load areas	Optional
Heavy industrial areas	Not recommended

For complete seaming installation recommendations, visit armstrong.com/linoleum.



Color Continuum™ is a simplified and organized tonal step color system that unites hue, value and chroma to help save time when specifying. Built upon 100 years of trusted linoleum experience, our floors are naturally sustainable; LEED® documentation only requires a few minutes when using our web-based ecoScorecard™.

Armstrong® linoleum with NATURCote™ – the first choice for superior beauty and performance in linoleum.



Beautifully sustainable flooring backed by 100 years of linoleum heritage.

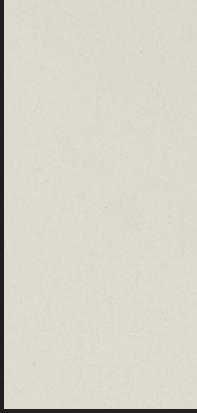
First National Advertisement, Saturday Evening Post – 1917



UNI WALTON™

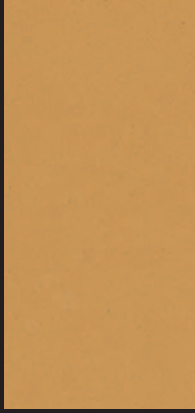
WELD ROD: W1__

LP259
white



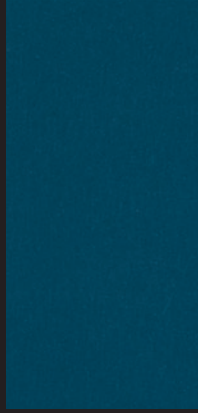
W1059

LP207
mustard



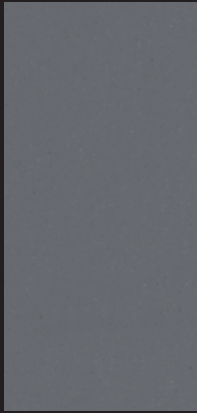
W1007

LP208
night blue



W1008

LP282
gray



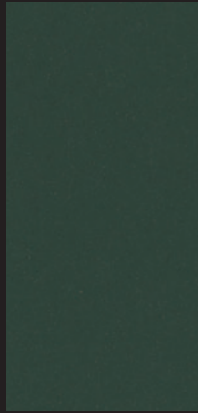
W1003

LP210
orange red



W1510

LP230
dark green



W1231

LP280
black



W1280

LP260
warm brown



W1060

LP236
moss

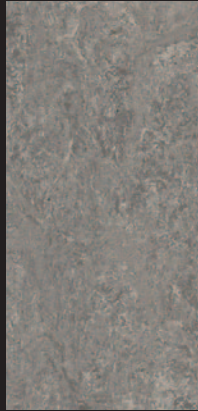


W1001

MARMORETTE™

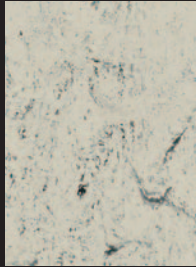
WELD ROD: W1__

LP553
smoke



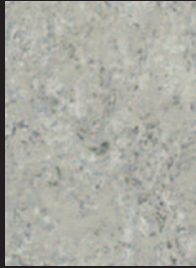
W1253

LP552
stone white



W1252

LP053
gull gray



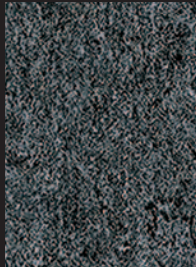
W1356

LP050
silver gray



W1250

LP059
charcoal gray



W1380

LP555
constellation



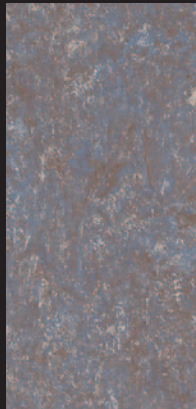
W1255

LP556
atmosphere



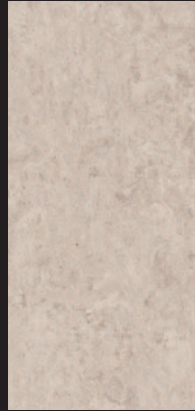
W1258

LP557
nebula



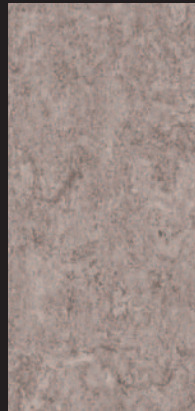
W1207

LP091
mushroom



W1791

LP090
pumice gray



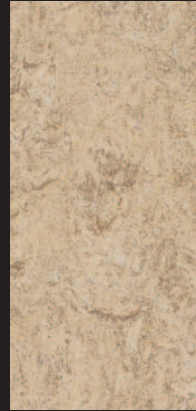
W1790

LP089
lava



W1789

LP092
sand



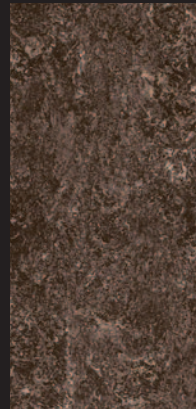
W1792

LP506
the boardwalk



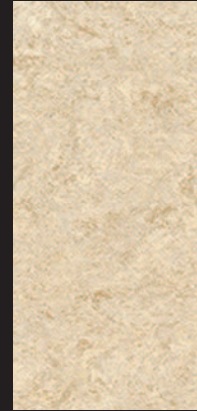
W1287

LP507
under the boardwalk



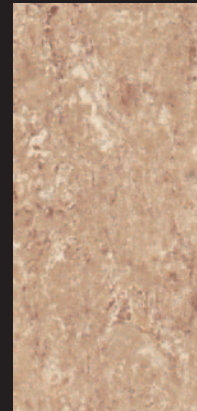
W1285

LP045
parchment beige



W1245

LP546
barefoot



W1271

LP003
cocoa brown



W1703

MARMORETTE™

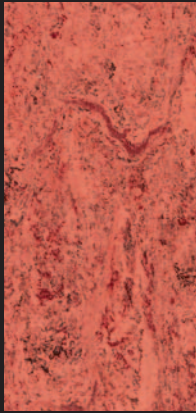
WELD ROD: W1__

<p>LP084 hide</p>  <p>W1784</p>	<p>LP040 cream</p>  <p>W1270</p>	<p>LP076 yellow straw</p>  <p>W1276</p>	<p>LP098 fool's gold</p>  <p>W1798</p>	<p>LP575 melon head</p>  <p>W1275</p>	<p>LP510 not so innocent</p>  <p>W1204</p>
<p>LP065 light chocolate</p>  <p>W1240</p>	<p>LP070 bamboo tan</p>  <p>W1070</p>	<p>LP072 goldenrod</p>  <p>W1272</p>	<p>LP571 summer morning</p>  <p>W1274</p>	<p>LP519 blast off</p>  <p>W1219</p>	<p>LP008 aztec red</p>  <p>W1708</p>
<p>LP509 summer camp</p>  <p>W1289</p>	<p>LP066 oak brown</p>  <p>W1262</p>	<p>LP570 gold digger</p>  <p>W1283</p>	<p>LP573 meltdown</p>  <p>W1273</p>	<p>LP515 pop rocket</p>  <p>W1205</p>	<p>LP511 brick house</p>  <p>W1242</p>

MARMORETTE™

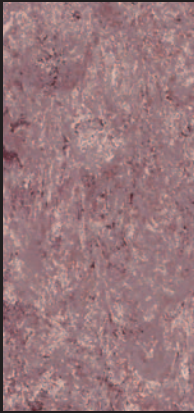
WELD ROD: W1__

LP516
miss behavin'



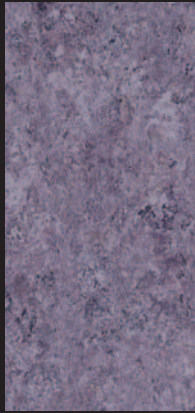
W1238

LP512
slightly frivolous



W1201

LP522
purple mountains



W1288

LP547
summer lovin' blue



W1281

LP521
pale blue eyes



W1220

LP524
cookie monster



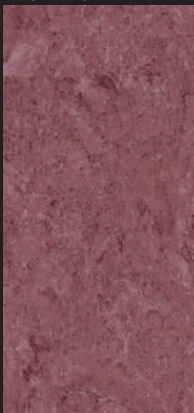
W1206

LP048
firebird red



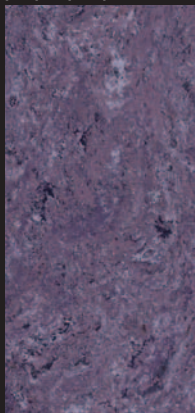
W1510

LP513
amped up



W1202

LP523
purple people eater



W1286

LP049
bluebird



W1249

LP023
serene blue



W1223

LP026
delft blue



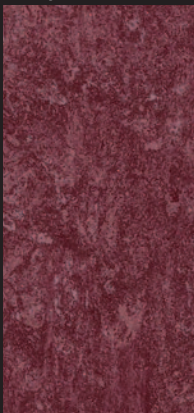
W1224

LP018
cherry red



W1718

LP514
dandy



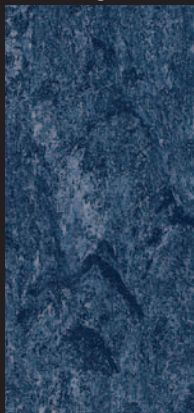
W1203

LP528
it's magic



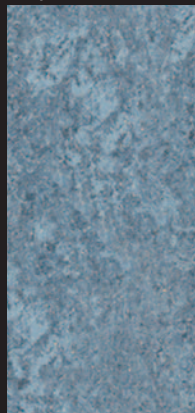
W1284

LP548
stars at night



W1282

LP022
caspien blue



W1222

LP525
hey sailor



W1208

MARMORETTE™

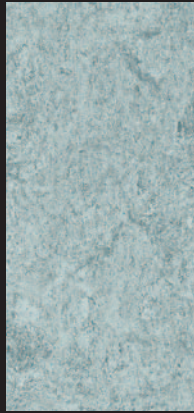
WELD ROD: W1__

LP526
ocean breeze



W1215

LP007
blue wave



W1707

LP020
sweet grass



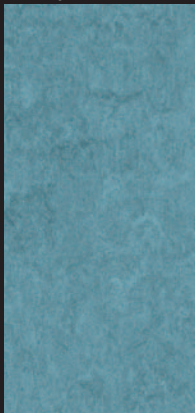
W1720

LP530
tree frog



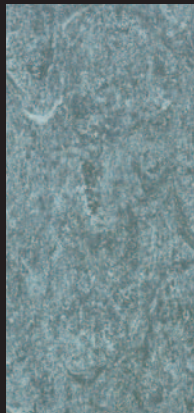
W1256

LP068
blue spa



W1768

LP099
tidal blue



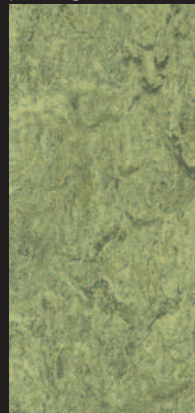
W1799

LP543
home turf



W1032

LP000
parrot green



W1711

LP527
twilight



W1246

LP532
new wave



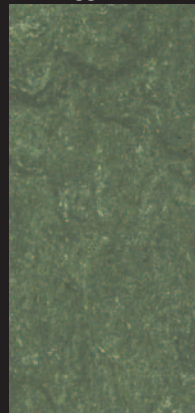
W1232

LP544
green horn



W1237

LP531
tree hugger



W1266

Width/Length

6 ft. 7 in. (2.0 m) wide,
up to 98.4 ft. (30 m) long

Gauge

MARMORETTE™

0.080 in. (2.0 mm)*

MARMORETTE, GRANETTE™;

UNI WALTON™; LINORETTE™; COLORETTE™

0.100 in. (2.5 mm)

MARMORETTE, GRANETTE,

UNI WALTON, COLORETTE

0.125 in. (3.2 mm)*

* Lead time and minimum order quantities vary. Please contact your Armstrong representative.

Approximate Installed Cost

MARMORETTE, GRANETTE

US

\$4.50 – \$5.00 sq. ft.

Canada

C\$4.00 – C\$4.50 sq. ft.

COLORETTE

US

\$4.50 – \$5.00 sq. ft.

Canada

C\$4.00 – C\$4.50 sq. ft.

LINORETTE

US

\$4.50 – \$5.00 sq. ft.

Canada

C\$3.75 – C\$4.25 sq. ft.

UNI WALTON

US

\$5.00 – \$5.50 sq. ft.

Canada

C\$5.00 – C\$5.50 sq. ft.

Cost is based on 0.100 in. thickness

Environmental

FloorScore™ certified

LEED® NC Eligible:

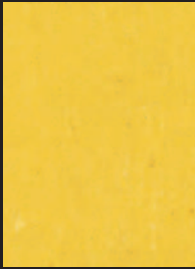
EQ4.3, MR4.0, MR6.0

Before making your color selection, expose linoleum samples to sunlight for at least four hours to remove the yellow cast that occurs naturally as part of the linoleum production process.

COLORETTE™

WELD ROD: W1__

LP301
lemon



W1301

LP352
here kitty



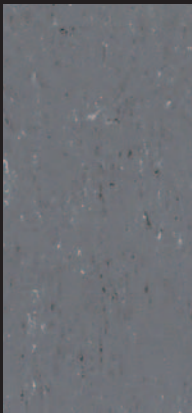
W1320

LP360
cherry



W1360

LP359
hot tin roof



W1359

LP312
sell out



W1350

LP371
half baked



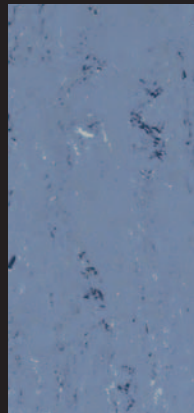
W1371

LP378
cremecicle



W1309

LP320
starlet



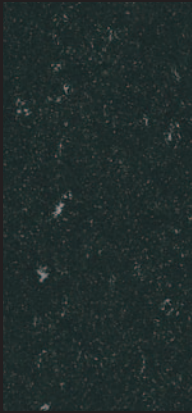
W1323

LP303
watermelon



W1303

LP381
black cat



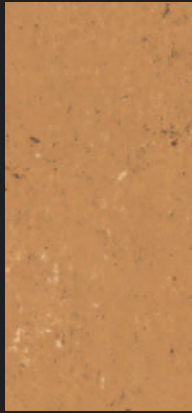
W1321

LP343
concrete decision



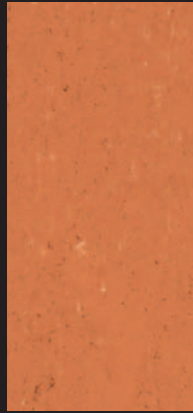
W1302

LP339
twice baked



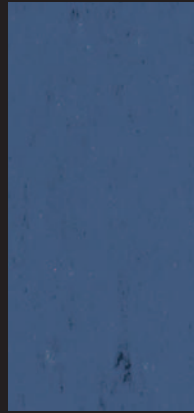
W1339

LP316
orange jules



W1316

LP328
rock star



W1328

LP306
lime

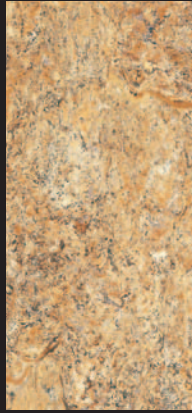


W1306

LINORETTE™

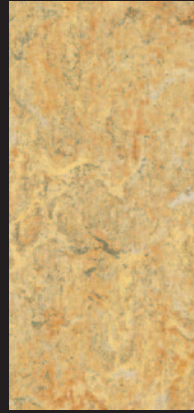
WELD ROD: W1__

LP403
gobi sand



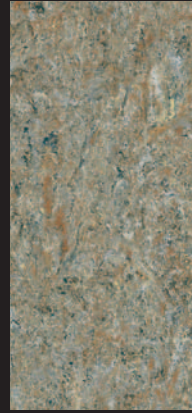
W1603

LP470
gibraltar gold



W1670

LP401
yuka tan



W1601

LP420
serengeti green



W1620

LP321
shallow end



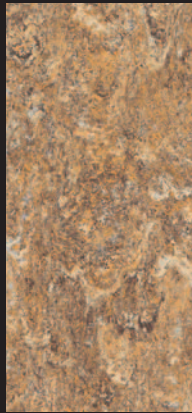
W1310

LP330
snorkel



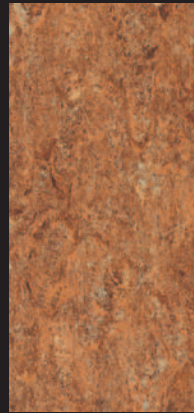
W1324

LP425
andes brown



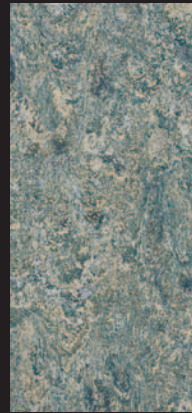
W1625

LP460
grand canyon



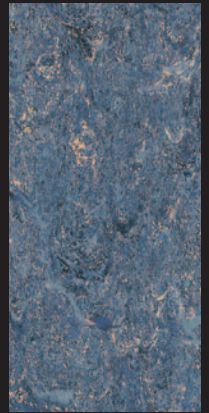
W1660

LP440
hudson valley blue



W1642

LP402
brisbane blue



W1602

LP305
deep end



W1305

LP308
scuba



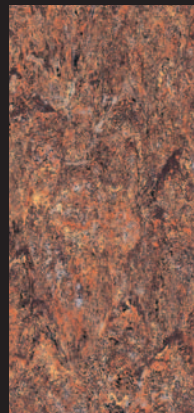
W1308

LP476
yukon desert



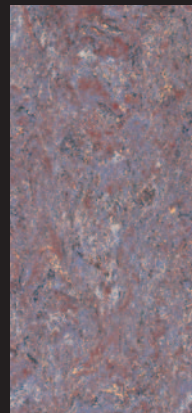
W1605

LP410
odessa red



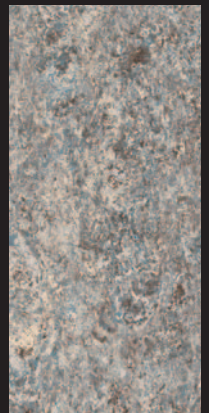
W1610

LP450
madagascar violet



W1652

LP475
silver city



W1604

GRANETTE™

WELD ROD: W1__

LP151
spider webs



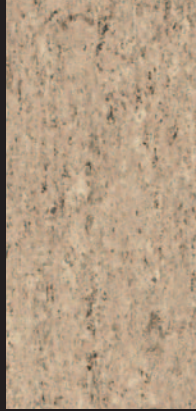
W1167

LP164
falling rock



W1160

LP167
seedling



W1158

LP170
pollen



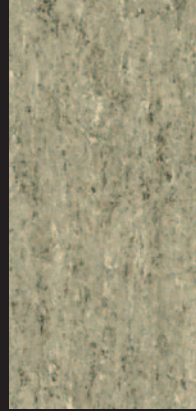
W1171

LP124
looks like rain



W1154

LP137
prickly pear



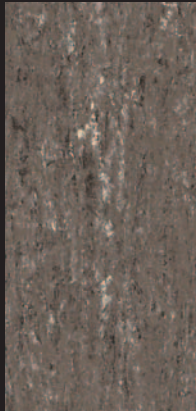
W1164

LP152
itsy bitsy spider



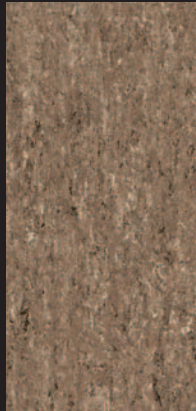
W1168

LP165
mudslide



W1161

LP168
branching out



W1159

LP171
bees knees



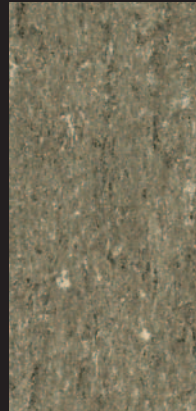
W1172

LP125
light showers



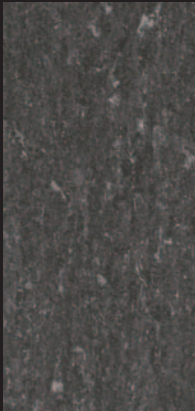
W1156

LP138
stinging nettle



W1165

LP153
black widow



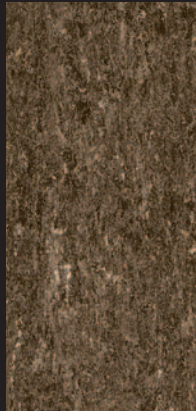
W1169

LP166
peat



W1162

LP169
tree bark



W1163

LP173
wax on



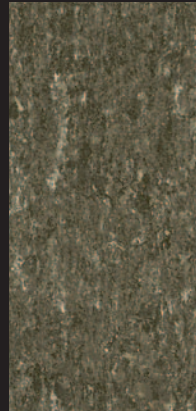
W1173

LP127
perfect storm



W1157

LP139
holly go lightly



W1166



COVENANT MEDICAL CENTER
MARMORETTE™ LP022 caspian blue,
LP050 silver gray, LP068 blue spa,
LP072 goldenrod, LP525 hey sailor

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Comparative Data

Products (5)	Overall Thickness (nominal) (1)	Static Load Limit PSI (kg/cm ²) (2, 2a, 2b)	Durability (3)	Maintainability (3)	Resilience (3)	Reference Specs (4)
MARMORETTE™	0.080 in. (2.0 mm) 0.100 in. (2.5 mm) 0.125 in. (3.2 mm)	450 (31.6) (2a) 250 (17.6) (2b)	G VG E	E E E	G G VG	ASTM F 2034, Type I
LINORETTE™	0.100 in. (2.5 mm)	450 (31.6) (2a) 250 (17.6) (2b)	VG	E	G	ASTM F 2034, Type I
COLORETTE™	0.100 in. (2.5 mm) 0.125 in. (3.2 mm)	450 (31.6) (2a) 125 (8.8) (2b)	VG E	VG VG	G VG	ASTM F 2034, Type I
UNI WALTON™	0.100 in. (2.5 mm) 0.125 in. (3.2 mm)	450 (31.6) (2a) 125 (8.8) (2b)	VG E	F (6) F (6)	G VG	ASTM F 2034, Type I
GRANETTE™	0.100 in. (2.5 mm) 0.125 in. (3.2 mm)	450 (31.6) (2a) 250 (17.6) (2b)	VG E	E E	G VG	ASTM F 2034, Type I

- Overall and wear layer thicknesses are nominal and subject to normal manufacturing variances.
- PSI: lbs./sq. in. (kg/cm²)
 - Static Load Limit per ASTM F 970
 - Static Load Limit per ASTM F 970 modified by specifying a higher load on a smaller diameter tip. All other test conditions are standard. Subjective visual, no visually apparent indentation.
- Subjective ratings (Excellent, Very Good, Good, Fair) are in relation to other Armstrong® commercial resilient floors. Ratings are not directly related to any one test. They are broadly based on tests and experience of Armstrong R & D under varying conditions and circumstances. These ratings should NOT be used for comparison to ratings used by other manufacturers to rank their own products.
- Reference Specifications: Armstrong products are manufactured to meet or exceed specification requirements, except as noted.
- All products meet the following Fire Test Data:
 - ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watts/cm² or more, Class I
 - ASTM E 662 Smoke Chamber Specific Optical Smoke Density – 450 or less. Numerical flammability ratings alone may not define product performance under actual fire conditions. These ratings are provided only for use in the selection of products to meet specified limits.
- UNI WALTON is recommended only for decorative borders and accents.

Light Reflectivity Values in Percent

0-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
LP018	LP022	LP003	LP068	LP000	LP065	LP007	LP020	LP040	LP098	LP259
LP059	LP048	LP008	LP099	LP023	LP124	LP070	LP091	LP045		
LP096	LP049	LP026	LP125	LP053	LP151	LP072	LP092	LP076		
LP208	LP089	LP050	LP138	LP090	LP164	LP084	LP312	LP170		
LP230	LP153	LP066	LP152	LP168	LP171	LP137	LP378	LP301		
LP260	LP166	LP127	LP172	LP330	LP316	LP167	LP403	LP352		
LP280	LP169	LP139	LP236	LP343	LP321	LP207	LP470	LP371		
LP381	LP210	LP165	LP282	LP401	LP475	LP335	LP530	LP552		
	LP328	LP308	LP303	LP425	LP526	LP521	LP546	LP555		
	LP360	LP402	LP305	LP440	LP556	LP571	LP575			
	LP507	LP410	LP306	LP476	LP570					
	LP511	LP450	LP320	LP506						
	LP514	LP509	LP359	LP510						
	LP525	LP513	LP420	LP512						
	LP527	LP523	LP460	LP516						
	LP528	LP531	LP515	LP519						
	LP548	LP532	LP522	LP543						
		LP544	LP524	LP553						
		LP554	LP547	LP573						
			LP557							

Building on a Heritage of Sustainability

More than a century ago, Armstrong ceased discarding post-industrial cork waste and began recycling it – first into corkboard insulation, and soon afterwards into the green product on which our modern flooring business was built: linoleum.

Made From Renewable Raw Materials

- Contributes to MR6.0* (Rapidly Renewable Resources)
- Armstrong® linoleum contains 36% rapidly renewable content comprised of cork, linseed oil, wood flour and jute backing.

Recycled Content

- Contributes to MR4.1, 4.2* (10% & 20% post-consumer + ½ pre-consumer)
- Armstrong linoleum contains 35% pre-consumer recycled content in the form of wood dust and cork flour.

Low Emitting Material

- Compliant with EQ4.3* (Indoor Air Quality)
- Linoleum is independently tested and certified as a low-emitting product under the FloorScore™ program.

EcoScorecardSM

Time-saving, web-based tool that allows users to quickly search, evaluate and document a product's environmental contributions according to these key industry rating systems:

- USGBC LEED® Rating System
- Canada Green Building LEED Rating System
- GGHC Green Guide for Health Care
- CHPS Collaborative for High Performance Schools
- LABS21

ecoSCORECARD™

At Armstrong we are committed to leading by example, as evidenced by the U.S. Green Building Council's Platinum LEED certification of our headquarters building in 2007. It's only the sixth building to earn the highest possible certification and the first outside of California.

*Based on LEED-NC v2.2



HIGHGATE ELEMENTARY

MARMORETTE™ LP020 sweet grass, LP048 firebird red,
LP068 blue spa, LP072 goldenrod, LP519 blast off

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Products

Armstrong warrants its regular (first quality) commercial floor products to be free from manufacturing defects for five years from the date of purchase.

Installation

Armstrong warrants the installation integrity for products from the date of purchase for five years if installed according to the Armstrong Guaranteed Installation Systems manual, F-5061. The F-5061 manual is revised on a yearly basis, and floors must be installed according to the recommendations contained in the issue of F-5061 that is current and available at the time of installation.

The applicable warranty for new product installations not yet included in the current version of F-5061 shall be the warranty and installation guidelines and procedures as outlined in the new applicable product literature, until such time that the F-5061 has been updated.

Workmanship

Armstrong does not warrant the installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor. Your Armstrong commercial floor should be professionally installed by contractors who have demonstrated expertise in installing commercial floors.

Terms

Within One Year:

If a defect covered by this warranty is reported to Armstrong in writing within one year of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will also pay reasonable labor costs.

Within Two Years:

If a defect covered by this warranty is reported to Armstrong in writing after one year but within two years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will also pay fifty percent of the reasonable labor costs.

After Two Years:

If a defect covered by this warranty is reported to Armstrong in writing after two years but within five years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will not pay labor costs.

Armstrong will not pay labor costs to repair or replace material with defects that were apparent before or at the time of installation.

Exclusions

The following are not covered by this warranty:

- Improper installation
- Differences in color between products and samples or photographs
- Indentation from improper loading including high heels, spiked shoes, rolling loads, chairs or other furniture not using floor protectors
- Discoloration
- Failure of the floor to adhere to the subfloor due to, for example, moisture, alkaline or hydrostatic pressure from the subfloor
- Inappropriate end-user activities

THERE ARE NO WARRANTIES BEYOND THIS EXPRESSED WARRANTY. ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.

ARMSTRONG EXCLUDES ANY LIABILITY FOR LOST PROFITS OR ANY OTHER INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES. THE REMEDIES CONTAINED HEREIN ARE THE ONLY REMEDIES AVAILABLE FOR BREACH OF THIS WARRANTY.

Warranty Owner

This warranty extends only to the original end-user.



This chart provides an overview of recommendations for Armstrong® linoleum by end-use market and for specific spaces. Use these recommendations as a guideline for selecting Armstrong flooring for your application.

Recommended Applications

	MARMORETTE™			LINORETTE™	COLORETTE™		UNI WALTON™ (d)		GRANETTE™	
	2.0	2.5	3.2	2.5	2.5	3.2	2.5	3.2	2.5	3.2
Health Care/Hospital (a)										
Cafeteria, Dining Area (e)	R	H	H	H	R	R	R	R	H	H
Chapel	R	H	H	H	R	R	R	R	H	H
Corridors	N	R	H	R	R	R	R	R	R	H
Critical/Intensive Care	N	H	H	H	R	R	R	R	H	H
Dialysis (i)	N	N	N	N	N	N	N	N	N	N
Dry Physical Therapy	R	H	H	H	R	R	R	R	H	H
Elevators	N	R	H	R	R	R	R	R	R	H
Emergency Room Areas	N	R	R	R	R	R	R	R	R	R
Exam/Procedure Rooms	N	R	R	R	R	R	R	R	R	R
Gift Shop	N	H	H	H	R	R	R	R	H	H
Hydro Physical Therapy	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)
Hyperbaric Room	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)
Labor Delivery Rooms	N	R	R	R	R	R	R	R	R	R
Laboratories	N	N	N	N	N	N	N	N	N	N
Lobbies	N	R	H	R	R	R	R	R	R	H
Nurses Station	N	H	H	H	R	R	R	R	H	H
Office/Administrative/Conf. Rooms	R	H	H	H	R	H	H	H	H	H
Operating Rooms (b)	N	N	N	N	N	N	N	N	N	N
Patient Rooms	R	H	H	H	R	R	R	R	H	H
Pharmacy	R	H	H	H	H	H	H	H	H	H
Ramps/Ramped Corridor (Dry)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)
Scrub Areas	N	N	N	N	N	N	N	N	N	N
Stairways/Landings	R	R	R	R	R	R	R	R	R	R
Staff Lounge	R	H	H	H	H	H	R	R	H	H
Utility/Storage Room/Filing	R	R	R	R	R	R	R	R	R	R
Waiting Rooms	N	H	H	H	R	R	R	R	H	H
Assisted Living/Military Housing/Light Commercial										
Activity Rooms/Common Areas	R	R	H	R	R	H	R	H	R	H
Beauty Salon/Barber Shop	N	R	R	R	R	R	R	R	R	R
Corridors	N	H	H	H	R	R	R	R	H	H
Daycare Areas	R	R	R	R	R	R	R	R	R	R
Dining Areas	R	R	H	R	R	H	R	H	R	H
Doctor/Dentist Office	N	R	R	R	R	R	R	R	R	R
Residence Bathrooms (i)	N	N	N	N	N	N	N	N	N	N
Residence Kitchens (e)	R (e)	R (e)	R (e)	R (e)	R (e)	R (e)	R (e)	R (e)	R (e)	R (e)
Residence Rooms/Barracks	R	R	H	R	R	H	R	R	R	H
Education										
Auditoriums	R	H	H	H	R	R	R	R	H	H
Cafeteria, Dining Area (e)	R	H	H	H	R	R	R	R	H	H
Classrooms/Lecture Halls	R	H	H	H	R	R	R	R	H	H
Computer Rooms	R (6)	R (6)	R (6)	R (6)	R (6)	R (6)	R (6)	R (6)	R (6)	R (6)
Corridors	R	H	H	H	R	R	R	R	H	H
Dormitory Rooms	R	R	R	R	R	R	R	R	R	R
Food Service Area (e)	N	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)
Gymnasium	N	H	H	H	R	R	R	R	H	H
Laboratories	N	R	R	R	N	N	R	R	R	R
Lavatories	N	N	N	N	N	N	N	N	N	N
Library	R	H	H	H	R	R	R	R	H	H
Locker Rooms (No Spikes)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)
Multipurpose Room/Cafeteriums	R	H	H	H	R	R	R	R	H	H
Office/Administrative/Conf. Rooms	R	H	H	H	R	H	R	R	H	H
Ramps/ Ramped Corridors (Dry)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)
Showers/Shower Rooms	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)
Stairways/Landings	R	R	R	R	R	R	R	R	R	R
Teacher's Lounge	R	H	H	H	R	R	R	R	H	H
Utility/Storage Areas	R	R	R	R	R	R	R	R	R	R
Vestibule/Entryways/Foyers (i)	N	N	N	N	N	N	N	N	N	N

H = Highly Recommended

The best flooring choice(s) for the space.

R = Recommended

Flooring choice(s) that are suitable for the space.

N = Not Recommended

Flooring that should not be used for the space.

• The ratings of H, R or N are based on an evaluation of the performance, cost and aesthetic requirements of the space.

• This chart provides recommendations for all Armstrong linoleum products. 2.0 mm (0.080 in.) thick linoleum products are recommended only for use in residential and light traffic commercial spaces.

Recommended Applications

	MARMORETTE™			LINORETTE™	COLORETTE™		UNI WALTON™ (d)		GRANETTE™	
	2.0	2.5	3.2	2.5	2.5	3.2	2.5	3.2	2.5	3.2
Mercantile										
Automobile Showrooms	N	R	H	R	N	R	R	R	R	H
Checkout/Cash Wrap	N	R	H	R	R	R	R	R	R	H
Food Service (e)	N	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)	R (i)
Frozen Food	N	R	R	R	R	R	R	R	R	R
Indoor Mall Common Areas	N	N	N	N	N	N	N	N	N	R
Produce Area	N	N	N	N	N	N	N	N	N	N
Sales Floor – Department Stores	N	H	H	H	R	R	R	R	H	H
Sales Floor – Grocery	N	R	R	R	R	R	R	R	R	R
Sales Floor – Mass Merchant	N	H	H	H	R	R	R	R	H	H
Specialty Shops/Areas	N	H	H	H	R	R	R	R	H	H
Office										
Computer Room	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)
Corridors	N	H	H	H	R	R	R	R	H	H
Elevators	N	R	H	R	R	R	R	R	R	H
Lavatories	N	N	N	N	N	N	N	N	N	N
Lobby	N	R	H	R	R	H	R	R	R	H
Lunchrooms (e)	R	H	H	H	R	H	R	R	H	H
Office/Conference Rooms	R	H	H	H	R	H	R	R	H	H
Stairways/Landings	R	R	R	R	R	R	R	R	R	R
Utility/Storage Rooms	R	R	R	R	R	R	R	R	R	R
Hospitality										
Around Whirlpool/Spas	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)	N (3)
Corridors	N	H	H	H	R	R	R	R	H	H
Dining Room (e)	R	H	H	H	R	R	R	R	H	H
Elevators	N	R	H	R	R	R	R	R	R	H
Exercise Rooms	N	R	H	R	R	H	N	N	R	H
Guest Bathrooms (i)	N	N	N	N	N	N	N	N	N	N
Guest Rooms	R	R	R	R	R	R	R	R	R	R
Lobby	N	R	H	R	R	R	R	R	R	H
Lounge	R	H	H	H	R	R	R	R	H	H
Stairways/Landings	R	R	R	R	R	R	R	R	R	R
Vending Areas (i)	N	R	R	R	R	R	R	R	R	R
Light Industrial (g)										
Clean Rooms	N	N	N	N	N	N	N	N	N	N
Computer Repair Lab	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)
Electronic Testing Lab	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)
Electronics Manufacturing	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)	N (6)
Environmental Conditioning Unit	N	N	N	N	N	N	N	N	N	N
Photo Processing	N	R	R	R	R	R	R	R	R	R
Production Laboratory	N	R	R	R	R	R	R	R	R	R
Research Laboratory	N	R	R	R	R	R	R	R	R	R
Small Parts Assembly	N	R	R	R	R	R	R	R	R	R
Sterile Packaging	N	N	N	N	N	N	N	N	N	N
Warehouse	N	N	N	N	N	N	N	N	N	N
Transportation/Public Venues										
Airport/Railway/Bus Terminals	N	N	R	N	N	N	N	N	N	R
Civic/Convention Centers	N	N	R	N	N	N	N	N	N	R
Museums/Cultural Centers	N	R	H	R	R	R	R	R	R	H

NOTES:

- Numerical footnotes apply to the space requirements.
 - Alpha footnotes apply to the product's suitability for the space.
- (3) Slip Retardance — A more secure walking surface is required.
- (6) Not recommended in areas that require electrostatic discharge control.
- (a) In most cases veterinary applications are similar.
- (b) Only operating rooms not requiring conductive flooring.
- (d) Only recommended for accents and borders.
- (e) Armstrong floors are not recommended for commercial kitchens and commercial food processing areas, including behind fast-food counters.
- (g) Most Armstrong floors are not recommended for heavy industrial areas.
- (i) No standing water; walk-off mats required.

In addition to spaces listed on this chart:

- Armstrong floors may be used on stair steps, risers and landings. A manufactured slip-retardant nosing should always be applied on steps.
- Most Armstrong® commercial sheet floors can be flash covered (integral cove). Most building codes consider flash coving in the same category as baseboard trim with respect to fire rating. Consult applicable codes for the particular project to determine the interpretation of allowable height for flash cove.
- Armstrong floors are not recommended for exterior use, for interior spaces where pointed spike golf or track shoes will be used, or in areas where the floor will be subjected to unusually concentrated static or dynamic loads.
- Armstrong floors should not be used as wall covering or wall surfacing.

MARMORETTE™ ■ COLORETTE™ ■ LINORETTE™
UNI WALTON™ ■ GRANETTE™

Specification Data

Material

A homogeneous mixture of linoleum cement (linseed oil, natural tree resins, drying oil catalysts), wood flour, limestone and color pigments calendered onto a jute fabric backing.

Construction and Colors

Color and pattern detail are dispersed throughout the thickness of the wear layer. Color pigments are insoluble in water and resistant to cleaning agents and light.

Size

6 ft. 7 in. (2.0 m) wide; up to 98.4 ft. (30 m) long

Gauge (nominal thickness)

	0.080 in. (2.0 mm)	0.100 in. (2.5 mm)	0.125 in. (3.2 mm)
MARMORETTE	X	X	X
LINORETTE		X	
COLORETTE		X	X
UNI WALTON		X	X
GRANETTE		X	X

Limitations

Linoleum products should not be used in the following areas:

- Hospital operating rooms
- Commercial kitchens and commercial food-processing areas
- Heavy industrial areas
- Exterior areas
- Where pointed spikes such as golf or track shoes will be used
- Where the floor will be subjected to unusually concentrated static or dynamic loads

NOTE: Concentrated static and dynamic loads such as hospital beds, portable x-ray machines, roll-out bleachers, etc. equipped with wheels, casters, rests or other floor contact devices may visibly damage resilient as well as other types of floor coverings. Hard setting reactive adhesives like our S-240 Epoxy, when used to install flooring underneath such furnishings and equipment, may help against damage. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, call 1 877 ARMSTRONG.

NOTE: UNI WALTON should not be used as a primary overall floor color in field areas.

Suitable for Application Over

- Concrete, terrazzo and other dry, structurally sound monolithic subfloors, which are suspended on grade below grade
- Suspended wood subfloor construction with approved wood underlayments, and a minimum of 18 in. (45.7 cm) well-ventilated air space below
- Steel, stainless steel, aluminum and lead, and most existing single-layer resilient floors on approved underlayments
- Radiant-heated subfloors with a maximum surface temperature of 85° F (29° C)

Unsuitable for Application Over

- Subfloors where excessive moisture or alkali is present
- Sleeper-constructed wood subfloors
- Lightweight aggregate concrete subfloors having a density of less than 90 lbs. per cu. ft. (1442 kg/m³) or cellular concrete having a plastic (wet density less than 100 lbs. per cu. ft. (1602 kg/m³)[94 lbs. per cu. ft. (1506 kg/m³) dry weight], or concrete having a compressive strength of less than 3500 psi (24 Mpa). Concrete slabs with heavy static and/or dynamic loads should have higher design strengths and densities calculated to accommodate such loads.

Concrete curing agents, sealers, hardeners, or parting agents should be removed.

TECHNICAL DATA

Shipping Weight

For shipping weight information regarding all Armstrong Linoleum products, visit armstrong.com/linoleum

Gloss (typical value)

60 degrees specular; approximately 8-12

Reference Specifications

ASTM F 2034, Type I

Static Load Limit

ASTM F 970 450 psi (≤ 0.005" residual indentation)

NOTE: While this static load limit meets ASTM F 2034 requirements for residual indentation, it could result in a visually apparent indentation. For this reason, Armstrong proposes the following static load limits.

MARMORETTE, LINORETTE, GRANETTE	250 psi (17.6 kg/cm ²)
COLORETTE, UNI WALTON	125 psi (8.8 kg/cm ²)

Comparative Data

Product	Overall Thickness	Durability	Maintainability	Resilience
MARMORETTE	0.080 in. (2.0 mm)	G	E	G
	0.100 in. (2.5 mm)	VG	E	G
	0.125 in. (3.2 mm)	E	E	VG
LINORETTE	0.100 in. (2.5 mm)	VG	E	G
COLORETTE	0.100 in. (2.5 mm)	VG	VG	G
	0.125 in. (3.2 mm)	E	VG	VG
UNI WALTON	0.100 in. (2.5 mm)	VG	F	G
	0.125 in. (3.2 mm)	E	F	VG
GRANETTE	0.100 in. (2.5 mm)	VG	E	VG
	0.125 in. (3.2 mm)	E	E	E

NOTE: Subjective ratings (excellent, very good, good, fair) are in relation to other Armstrong commercial resilient floors. Ratings are not directly related to any one test. They are broadly based on tests and experience of Armstrong Research and Development under varying conditions and circumstances. These ratings should not be used for comparison to ratings used by other manufacturers to rank their own products.

Fire Test Data

ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watts/cm² or more, Class I

ASTM E 662 Smoke Chamber Specific Optical Smoke Density – 450 or less

Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.

INSTALLATION

Subfloors/underlayments shall be dry, clean and smooth. They shall be free from paint, varnish, solvents, wax, oil, existing adhesive residue, or other foreign matter. For more detailed instructions regarding proper job conditions as well as installation options and procedures, call the Armstrong TechLine at 1 877 ARMSTRONG; refer to the latest edition of the *Armstrong Guaranteed Installation Systems* manual, F-5061 or visit armstrong.com/linoleum.

NOTE: Moisture testing must be conducted. Armstrong offers a guideline of a maximum acceptable moisture vapor emission rate (MVER) of 5.0 lbs. per 1000 sq. ft. per 24 hours, or 80% internal relative humidity. Tests should also be conducted for compatibility with the substrate. When testing for alkalinity, the allowable readings for the installation of Armstrong® flooring are 5 to 9 on the pH scale.

MAINTENANCE

Linoleum flooring is designed to be maintained by traditional resilient flooring maintenance methods, which include the use of polishes, sealers and spray buffing.

NOTE:

- All maintenance solutions must be 10 pH or less
- Avoid excessive amounts of liquid
- Do not use highly solvent or abrasive products or equipment on linoleum flooring

For specific, ongoing maintenance procedures, see *Commercial Linoleum Installation/Maintenance Tip Sheet*, F-7796 or visit armstrong.com/linoleum.

WARRANTIES

Armstrong warrants its regular (first quality) commercial floors and wall base to be free from manufacturing defects, and warrants the installation integrity for five years from the date of purchase, if installed according to the *Armstrong Guaranteed Installation Systems* manual, F-5061. This warranty extends only to the original end user. See *Armstrong Commercial Floor Warranty*, F-3349 or visit armstrong.com/linoleum.

WARNING: EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE, OR OTHER ADHESIVE.

These existing in-place products may contain asbestos fibers and/or crystalline silica.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the existing in-place product is a non-asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern removal and disposal of material.

See current edition of the Resilient Floor Covering Institute (RFCI) publication *Recommended Work Practices for Removal of Resilient Floor Coverings* for instructions on removing all resilient floor covering structures or contact your retailer or Armstrong World Industries, Inc. 1 800 233 3823.

The floor covering or adhesive in this package does NOT contain asbestos.

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Call 1 877 ARMSTRONG (276 7876)

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