



**VINYL COMPOSITION TILE**

## **PREMIUM EXCELON®**

Raffia® Stream™ with Diamond 10® Technology Coating | Crown Texture™  
ChromaSpin™ | Stonetex® | Companion Square® | Feature™ Tile & Strips

## **STANDARD EXCELON®**

Imperial® Texture | MultiColor™  
Imperial® Texture | MultiColor™ with Diamond 10® Technology Coating



## A Classic, Economical Value

Armstrong Flooring creates products that push the limits of color, pattern, performance, and sustainability to meet the multiple demands of modern interiors. Developed through our Continuum™ Solutions, Excelon® VCT harmonizes with other products across the entire Armstrong Flooring portfolio to help you execute your design intent.

The durable construction ensures lasting beauty in high-traffic areas, while flowing linear patterns, organic looks, and densely patterned earth tones effectively mask scuffs and soil in busy spaces. Colors range from vivid hues to quiet neutrals with a large selection of light-reflective colors that can have a big impact on energy reduction strategies and savings.

With Excelon® VCT having one of the lowest carbon footprints among all our resilient flooring products, it is an ideal choice for hallways, classrooms, and cafeterias in schools and colleges, retail, mass market, grocery stores, food venues, and a wide range of public environments. It's versatile, durable, and easy to maintain using standard maintenance protocols.

**Select VCT collections are available with Diamond 10® Technology Coating. Keep tile floors looking newer longer, and with lower maintenance costs.**





## Trusted Long Term Performance

- Decades of industry-leading performance and durability
- Leader in the industry for over 50 years
- High quality with a reliable warranty

## Healthy Environments

- Ortho-Phthalates Free\* and heavy-metal free
- Low VOC Emissions and FloorScore® certified
- Composed of 85% North American limestone
- Recyclable through the On&On™ Recycling Program
- Third-party certified Environment Product Declaration (EPD)
- Third-party certified Health Product Declaration (HPD)
- Helps conserve energy when high light-reflective colors are selected

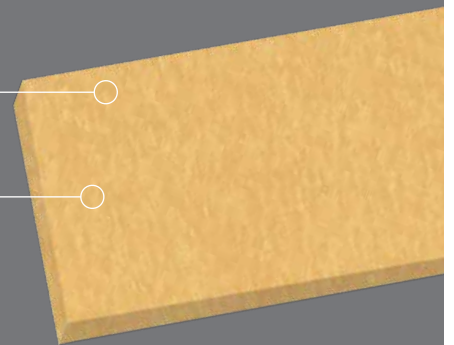
\* Select product lines are ortho-phthalate free, with the exception of recycled content.

### Exclusive Fast Start® Factory Finish

- Protective layer during installation
- Makes initial maintenance quick and easy

### Through-Color/Pattern Wear Layer\*

- Pattern/color wear performance:
  - High durability
  - Gouge resistance
  - Rolling load impact resistance
  - Appearance retention



# The Surfacing of a New Commercial Tile



Now, you can order Armstrong VCT and BBT with Diamond 10® Technology coating, keeping your tile floors looking newer longer at a lower maintenance cost than traditional VCT. Save up to 40% on polish maintenance procedures, compared to traditional VCT.

Patent-pending Diamond 10 Technology provides a protective coating, improving resistance to scratches, stains and scuffs. It enables you to use less floor polish to maintain your floor, reducing cost of ownership significantly over the life of your floor.

## Reduced Cost of Ownership

Maintain your floors for less money than traditional VCT with floor polish maintenance procedures.

- Reduce initial application of floor polish by 50%.
- Reduce or eliminate restorative stripping.

## Beautiful Floors, Minimal Prep

Maximize gloss level with 50% fewer coats of polish and create a more uniform overall appearance with as little as three coats of high-quality commercial floor polish. and create a more uniform overall appearance with as little as three coats of a high-quality commercial floor polish.



Premium Excelon® Raffia® Stream™  
with Diamond 10® Technology coating  
Z5900 avalanche; Z5923 dark sky



## Maintain VCT at a Lower Cost

VCT with Diamond 10® Technology coating is a reduced maintenance product that will help you save on costly polish maintenance.

- Reduce initial application of floor polish by 50%
- Routine periodic maintenance procedures
- Eliminates or reduces the need to strip the floor

Diamond 10® Technology Coating available on:  
Raffia® Stream™

Imperial® Texture: *Made To Order - Available Through April 2020*

MultiColor™: *Made To Order - Available Through April 2020*



## SUPERIOR SCRATCH, STAIN AND SCUFF RESISTANCE

VCT with Diamond 10® Technology coating delivers best-in-category scratch, stain and scuff resistance with reduced cost of polish maintenance over the life of the floor.

### SCRATCH RESISTANCE

Each product was scratched using an abrasive pad under a 12.5 lb. load for 20 passes, simulating commercial traffic.



VCT with  
Diamond 10®  
Technology  
coating

Competitive Vinyl  
Enhanced Tile

VCT with 6  
coats of polish

Competitive  
Base-Grade LVT  
positioned to  
replace VCT

### COMMERCIAL STAINS AND SCUFF

After scratching, samples were stained, wiped with a dry paper towel, and then an alcohol wipe. The samples were also scuffed with a rubber heel and wiped with a dry cloth.



VCT with Diamond 10® Technology coating



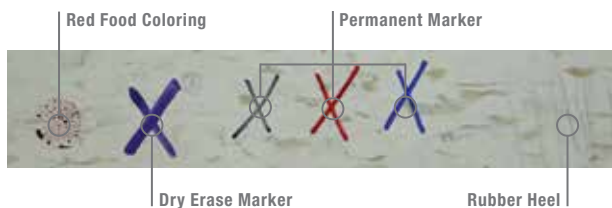
Competitive Vinyl Enhanced Tile



VCT with 6 coats of polish



Competitive Base-Grade LVT positioned to replace VCT





Premium Excelon® Raffia® Stream™  
with Diamond 10® Technology coating  
Z5900 avalanche; Z5920 solar; Z5921 shamrock;  
Z5937 electricity; Z5938 flame



# Let Your Imagination Flow

Raffia Stream with Diamond 10® Technology coating brings together VCT featuring visuals with streaming accents, flowing over a rich contrasted base - all protected by a coating with improved resistance to scratches, stains, and scuffs.

## Step Boldly or Tread Lightly

A color palette that includes rich bold hues and tranquil neutral tones enable your designs to conjure a sense of fluidity within a space – or striking interior with bold pops of color! As part of Continuum™ Solutions, Raffia Stream works seamlessly with other Armstrong Commercial Flooring products to create beautiful, coordinated spaces, allowing you to choose the right flooring structure for the space you are designing without compromising your vision. Larger format, 12 in. x 24 in. VCT tiles enable more design possibilities.



**Diamond 10® Technology Coating—cultured diamond-infused coating**  
◦ Provides a protective coating, improving resistance to scratches, stains and scuffs.

**Through-Color/Pattern Wear Layer\***  
◦ Pattern/color wear performance:  
High durability  
Gouge resistance  
Rolling load impact resistance  
Appearance retention



**Premium Excelon® Raffia® Stream™**  
with Diamond 10® Technology coating  
Z5924 equinox



## VINYL COMPOSITION TILE

# Premium Excelon® Raffia® Stream™ with Diamond 10® Technology coating



Indicates  
Coordinating  
Wall Base



Z5900  
avalanche



12 in. x 24 in.

65

Z5940  
horizon



12 in. x 24 in.

16

Z5938  
flame



12 in. x 24 in.

60

Z5929  
blizzard



12 in. x 24 in.

20

Z5924  
equinox



12 in. x 24 in.

16

Z5920  
solar



12 in. x 24 in.

21

Z5930  
opal



12 in. x 24 in.

20

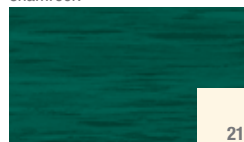
Z5935  
jade



12 in. x 24 in.

21

Z5921  
shamrock



12 in. x 24 in.

21

Z5927  
dust



12 in. x 24 in.

64

Z5934  
moonlight



12 in. x 24 in.

21

Z5937  
electricity



12 in. x 24 in.

21

Z5926  
earth



12 in. x 24 in.

64

Z5922  
thunderstorm



12 in. x 24 in.

61

Z5933  
grey cloud



12 in. x 24 in.

65

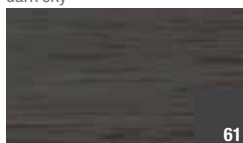
Z5901  
rain



12 in. x 24 in.

71

Z5923  
dark sky



12 in. x 24 in.

61

Z5928  
winter solstice



12 in. x 24 in.

60



## Completing Your Specification

Armstrong Flooring has a solution for all your commercial spaces beyond flooring — with finishing touches to complete your job — like Adhesives, Wall Base, Stair Treads, Transition Strips and Maintenance products. Go to [ArmstrongFlooring.com](http://ArmstrongFlooring.com) to view our complete line.

## VINYL COMPOSITION TILE

# Premium Excelon® Crown Texture™

Indicates  
Coordinating  
Wall Base



Available  
through  
April 2020



5C234  
silk



12 in. x 12 in.

69

5C811  
antique white



12 in. x 12 in.

22

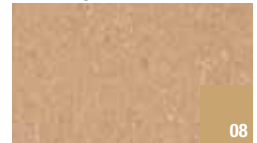
5C858  
sandrift white



12 in. x 12 in.

19

5C805  
camel beige



12 in. x 12 in.

08

5C235  
impasto



12 in. x 12 in.

20  
20

16

5C803  
pearl white



12 in. x 12 in.

43

5C236  
linseed



12 in. x 12 in.

06

5C238  
safari tan



12 in. x 12 in.

20  
20

20

5C241  
honey



12 in. x 12 in.

16

5C244  
patina



12 in. x 12 in.

20  
20

01

5C942  
curried caramel



12 in. x 12 in.

20  
20

04

5C232  
madagascar cinnamon



12 in. x 12 in.

20  
20

47

5C869  
humus



12 in. x 12 in.

20  
20

54

5C239  
tarragon



12 in. x 12 in.

20  
20

06

5C243  
tannin



12 in. x 12 in.

20  
20

01

5C242  
carob



12 in. x 12 in.

20  
20

76

5C878  
golden



12 in. x 12 in.

20  
20

17

5C231  
kumquat orange



12 in. x 12 in.

20  
20

83

5C880  
maraschino



12 in. x 12 in.

20  
20

46

5C944  
tyrian purple



12 in. x 12 in.

20  
20

49

**VINYL COMPOSITION TILE**

**Premium Excelon® Crown Texture™**

Indicates  
Coordinating  
Wall Base

WB

Available  
through  
April 2020

20  
20

5C876  
mint cream



12 in. x 12 in.

5C233  
spring leaf



12 in. x 12 in.

5C872  
tea garden green



12 in. x 12 in.

5C802  
silver green



12 in. x 12 in.

5C906  
teal



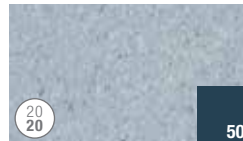
12 in. x 12 in.

5C875  
mid grayed blue



12 in. x 12 in.

5C932  
lunar blue



12 in. x 12 in.

5C882  
serene blue



12 in. x 12 in.

5C899  
cool white



12 in. x 12 in.

5C237  
tracery



12 in. x 12 in.

5C908  
pewter



12 in. x 12 in.

5C904  
sterling



12 in. x 12 in.

5C861  
soft warm gray



12 in. x 12 in.

5C901  
taupe



12 in. x 12 in.

5C868  
smokey brown



12 in. x 12 in.

5C240  
peat



12 in. x 12 in.

5C866  
little green apple



12 in. x 12 in.

5C230  
victoria blue



12 in. x 12 in.

5C915  
charcoal



12 in. x 12 in.

5C910  
classic black



12 in. x 12 in.



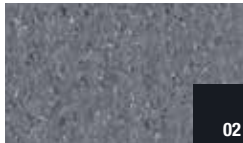
## VINYL COMPOSITION TILE

### Premium Excelon® ChromaSpin™

Indicates  
Coordinating  
Wall Base



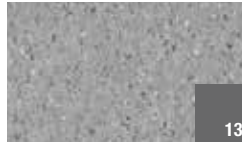
54802  
carbonite



12 in. x 12 in.

02

54801  
paynes gray



12 in. x 12 in.

13

54807  
primer white



12 in. x 12 in.

03

54800  
zinc oxide



12 in. x 12 in.

69

54805  
aqua tint



12 in. x 12 in.

15

54810  
blanco



12 in. x 12 in.

73

## VINYL COMPOSITION TILE

### Premium Excelon® Companion Square®

Indicates  
Coordinating  
Wall Base



51974  
polychrome white



12 in. x 12 in.

65

51983  
party white



12 in. x 12 in.

23

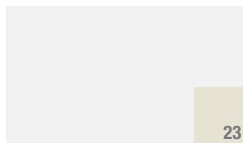
## VINYL COMPOSITION TILE

### Premium Excelon® Feature™ Tile & Strips

Indicates  
Coordinating  
Wall Base



chalk II



12 in. x 12 in.

23

56830  
50830

2, 4, 6 in. x 24 in.

yellow II



12 in. x 12 in.

18

56823  
50823

2, 4, 6 in. x 24 in.

blue II



12 in. x 12 in.

94

56812  
50812

2, 4, 6 in. x 24 in.

red II



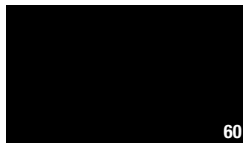
12 in. x 12 in.

47

56806  
50806

2, 4, 6 in. x 24 in.

black I



12 in. x 12 in.

60

56790  
50790

2, 4, 6 in. x 24 in.

**VINYL COMPOSITION TILE**

**Premium Excelon® Stonetex®**

Indicates  
Coordinating  
Wall Base



52140  
chalk white



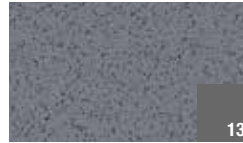
12 in. x 12 in.

52126  
gravel blue



12 in. x 12 in.

52160  
hematite



12 in. x 12 in.

52139  
limestone beige



12 in. x 12 in.

52125  
granite gray



12 in. x 12 in.

52161  
charcoal



12 in. x 12 in.

52144  
coal black



12 in. x 12 in.

52127  
stone white



12 in. x 12 in.

52122  
pebble gray



12 in. x 12 in.

52147  
pumice stone



12 in. x 12 in.

52128  
desert dust



12 in. x 12 in.

52143  
sandstone tan



12 in. x 12 in.

52149  
cocoa brown



12 in. x 12 in.

52166  
mochaccino



12 in. x 12 in.

52155  
forest moss



12 in. x 12 in.





# VINYL COMPOSITION TILE

## Standard Excelon® Imperial® Texture



Indicates  
Coordinating  
Wall Base

WB

Available  
through  
April 2020

20  
20

Diamond 10®  
Technology Coating  
available on:

Imperial® Texture:  
Made To Order -  
Available Through  
April 2020

MultiColor™:  
Made To Order -  
Available Through  
April 2020

Standard Item:  
5XXXX

Diamond 10®  
Technology  
Coating item:  
ZXXXX

51811 / Z1811  
antique white



12 in. x 12 in.

22

51836 / Z1836  
shelter white



12 in. x 12 in.

20

51941 / Z1941  
polar white



12 in. x 12 in.

23

51911 / Z1911  
classic white



12 in. x 12 in.

65

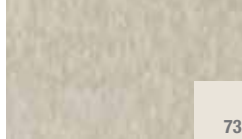
51839 / Z1839  
fortress white



12 in. x 12 in.

19

51876 / Z1876  
mint cream



12 in. x 12 in.

73

51860 / Z1860  
soft cool gray



12 in. x 12 in.

69

51861 / Z1861  
soft warm gray



12 in. x 12 in.

69

59235 / Z9235  
impasto



12 in. x 12 in.

16

59236 / Z9236  
linseed



12 in. x 12 in.

16

51807 / Z1807  
shadow blue



12 in. x 12 in.

92

51904 / Z1904  
sterling



12 in. x 12 in.

71

51858 / Z1858  
sandrift white



12 in. x 12 in.

19

59238 / Z9238  
safari tan



12 in. x 12 in.

20

51903 / Z1903  
blue/gray



12 in. x 12 in.

63

51915 / Z1915  
charcoal



12 in. x 12 in.

61

51830 / Z1830  
cottage tan



12 in. x 12 in.

03

59239 / Z9239  
taragon



12 in. x 12 in.

06

51916 / Z1916  
dutch delft



12 in. x 12 in.

92

51910 / Z1910  
classic black



12 in. x 12 in.

60

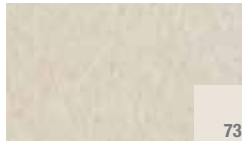
51899 / Z1899  
cool white



12 in. x 12 in.

21

51810 / Z1810  
washed linen



12 in. x 12 in.

73

51929 / Z1929  
sandy beach



12 in. x 12 in.

74

51905 / Z1905  
hazelnut



12 in. x 12 in.

25

59234 / Z9234  
silk



12 in. x 12 in.

69

51803 / Z1803  
pearl white



12 in. x 12 in.

43

51928 / Z1928  
pebble tan



12 in. x 12 in.

74

57504 / Z7504  
chocolate



12 in. x 12 in.

01

59237 / Z9237  
tracery



12 in. x 12 in.

69

51804 / Z1804  
earthstone greige



12 in. x 12 in.

72

57502 / Z7502  
café latte



12 in. x 12 in.

01

57505 / Z7505  
rose hip



12 in. x 12 in.

45

**VINYL COMPOSITION TILE**

**Standard Excelon® Imperial® Texture**



Indicates  
Coordinating  
Wall Base



Available  
through  
April 2020



Diamond 10®  
Technology Coating  
available on:

Imperial® Texture:  
Made To Order -  
Available Through  
April 2020

MultiColor™:  
Made To Order -  
Available Through  
April 2020

Standard Item:  
5XXXX

Diamond 10®  
Technology  
Coating item:  
ZXXXX

51908 / Z1908  
pewter



12 in. x 12 in.

71

51868 / Z1868  
smokey brown



12 in. x 12 in.

76

51901 / Z1901  
taupe



12 in. x 12 in.

43

57500 / Z7500  
purple brown



12 in. x 12 in.

20  
20

45

51927 / Z1927  
field gray



12 in. x 12 in.

71

59240 / Z9240  
peat



12 in. x 12 in.

54

59242 / Z9242  
carob



12 in. x 12 in.

76

57507 / Z7507  
dusty plum



12 in. x 12 in.

20  
20

45

51809 / Z1809  
desert beige



12 in. x 12 in.

75

51873 / Z1879  
brushed sand



12 in. x 12 in.

08

57509 / Z7509  
lemon lick



12 in. x 12 in.

18

57516 / Z7516  
scream' pumpkin



12 in. x 12 in.

17

51805 / Z1805  
camel beige



12 in. x 12 in.

08

57501 / Z7501  
nougat



12 in. x 12 in.

74

51812 / Z1812  
lemon yellow



12 in. x 12 in.

18

51867 / Z1867  
cantaloupe



12 in. x 12 in.

20  
20

46

59241 / Z9241  
honey



12 in. x 12 in.

16

51801 / Z1801  
doeskin peach



12 in. x 12 in.

83

51800 / Z1800  
buttercream yellow



12 in. x 12 in.

18

59231 / Z9231  
kumquat orange



12 in. x 12 in.

20  
20

83

51869 / Z1869  
humus



12 in. x 12 in.

54

51942 / Z1942  
curried caramel



12 in. x 12 in.

04

51878 / Z1878  
golden



12 in. x 12 in.

17

51879 / Z1879  
etruscan red



12 in. x 12 in.

20  
20

46

59243 / Z9243  
tannin



12 in. x 12 in.

01

59232 / Z9232  
madagascar cinnamon



12 in. x 12 in.

47

59244 / Z9244  
patina



12 in. x 12 in.

01

51943 / Z1943  
cayenne red



12 in. x 12 in.

20  
20

47

# VINYL COMPOSITION TILE

## Standard Excelon® Imperial® Texture



Indicates  
Coordinating  
Wall Base



Available  
through  
April 2020



Diamond 10®  
Technology Coating  
available on:

Imperial® Texture:  
Made To Order -  
Available Through  
April 2020

MultiColor™:  
Made To Order -  
Available Through  
April 2020

Standard Item:  
5XXXX

Diamond 10®  
Technology  
Coating item:  
ZXXXX

57515 / Z7515  
hot lips



12 in. x 12 in.

57514 / Z7514  
shocking



12 in. x 12 in.

51818 / Z1818  
violet bloom



12 in. x 12 in.

51820 / Z1820  
marina blue



12 in. x 12 in.

51880 / Z1880  
maraschino



12 in. x 12 in.

57513 / Z7513  
vicious violet



12 in. x 12 in.

51881 / Z1881  
blueberry



12 in. x 12 in.

51933 / Z1933  
blue cloud



12 in. x 12 in.

57503 / Z7503  
bubblegum



12 in. x 12 in.

51944 / Z1944  
tyrian purple



12 in. x 12 in.

51934 / Z1934  
lavender shadow



12 in. x 12 in.

51932 / Z1932  
lunar blue



12 in. x 12 in.

51814 / Z1814  
pomegranate red



12 in. x 12 in.

57508 / Z7508  
blue dreams



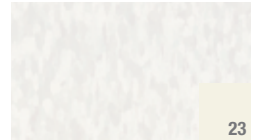
12 in. x 12 in.

51882 / Z1882  
serene blue



12 in. x 12 in.

57518 / Z7518  
white out



12 in. x 12 in.

51816 / Z1816  
cherry red



12 in. x 12 in.

57517 / Z7517  
bodacious blue



12 in. x 12 in.

59230 / Z9230  
victoria blue



12 in. x 12 in.

51883 / Z1883  
dusty miller



12 in. x 12 in.

51821 / Z1821  
caribbean blue



12 in. x 12 in.

57511 / Z7511  
grabbin' green



12 in. x 12 in.

57510 / Z7510  
kickin' kiwi



12 in. x 12 in.

51872 / Z1872  
tea garden green



12 in. x 12 in.

57512 / Z7512  
bikini blue



12 in. x 12 in.

51824 / Z1824  
sea green



12 in. x 12 in.

51866 / Z1866  
little green apple



12 in. x 12 in.

57506 / Z7506  
colorado stone



12 in. x 12 in.

51938 / Z1938  
willow green



12 in. x 12 in.

51885 / Z1885  
granny smith



12 in. x 12 in.



**VINYL COMPOSITION TILE**

**Standard Excelon® Imperial® Texture**



51875 / Z1875  
mid grayed blue



12 in. x 12 in.

83

51906 / Z1906  
teal



12 in. x 12 in.

97

51884 / Z1884  
greenery



12 in. x 12 in.

20  
20

55

51877 / Z1877  
earth green



12 in. x 12 in.

06

51874 / Z1874  
grayed blue



12 in. x 12 in.

83

51802 / Z1802  
silver green



12 in. x 12 in.

97

51947 / Z1947  
basil green



12 in. x 12 in.

20  
20

55

59233 / Z9233  
spring leaf



12 in. x 12 in.

20  
20

56

**VINYL COMPOSITION TILE**

**Standard Excelon® MultiColor™**



Indicates  
Coordinating  
Wall Base



Available  
through  
April 2020



Diamond 10®  
Technology Coating  
available on:

Imperial® Texture:  
Made To Order -  
Available Through  
April 2020

MultiColor™:  
Made To Order -  
Available Through  
April 2020

Standard Item:  
5XXXX

Diamond 10®  
Technology  
Coating item:  
ZXXXX

52500 / Z2500  
carnival white



12 in. x 12 in.

22

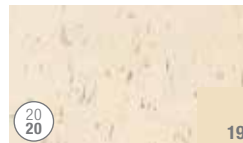
52505 / Z2505  
harlequin white



12 in. x 12 in.

65

52506 / Z2506  
rodeo fawn



12 in. x 12 in.

20  
20

19

52513 / Z2513  
cirque white



12 in. x 12 in.

23

52514 / Z2514  
jubilee white



12 in. x 12 in.

65

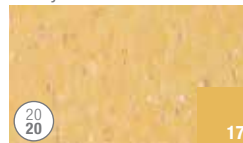
52520 / Z2520  
faire white



12 in. x 12 in.

22

52516 / Z2516  
soleil yellow



12 in. x 12 in.

20  
20

17

52521 / Z2521  
mint masquerade

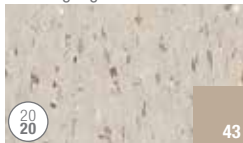


12 in. x 12 in.

20  
20

65

52515 / Z2515  
coaster greige



12 in. x 12 in.

20  
20

43

52525 / Z2525  
pie car

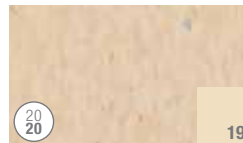


12 in. x 12 in.

20  
20

64

52523 / Z2523  
animal crackers



12 in. x 12 in.

20  
20

19

52524 / Z2524  
pageant spice



12 in. x 12 in.

20  
20

04

52517 / Z2517  
jester red



12 in. x 12 in.

20  
20

47

52518 / Z2518  
band blue



12 in. x 12 in.

20  
20

94

52522 / Z2522  
acrobat green



12 in. x 12 in.

20  
20

56

## Flooring Recommendations Guide

Our flooring recommendations can help you quickly identify products designed to work in specific spaces and beyond. Partner with your Armstrong Flooring sales representative as your trusted resource to help you with all the information you need to successfully select and install the right floor for all types of environments, spaces, and buildings.

NOTE: Feature™ Tile & Strips are recommended as accent and border pieces only.

● Recommended flooring choice(s) for the space

VCT, VCT with Diamond 10®  
Technology coating

VCT, VCT with Diamond 10®  
Technology coating

HEALTHCARE/HOSPITAL ENVIRONMENTS (a)	
CAFETERIA, DINING AREA (c)	●
CHAPEL	●
COMMERCIAL PARKING GARAGE WALKWAY (COVERED)	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
CRITICAL/INTENSIVE CARE	●
DATA WAREHOUSING	
DIALYSIS (d)	●
DRY PHYSICAL THERAPY	●
ELEVATOR	●
EMERGENCY ROOM	●
EXAM/PROCEDURE ROOM	●
GIFT SHOP	●
HYDRO PHYSICAL THERAPY	2
HYPERBARIC ROOM	3
LABOR DELIVERY ROOM	
LABORATORY	● f
LAVATORY	●
LOBBY	●
NURSE'S STATION	●
OFFICE/ADMIN/CONFERENCE ROOM	●
OPERATING ROOM (b)	1
PATIENT ROOM	●
PHARMACY	●
RAMP/RAMPED CORRIDOR (DRY)	2
SCRUB AREA	1
STAIRWAY/LANDING	●
STAFF LOUNGE	●
TELECOM CENTER	
UTILITY/STORAGE/FILING ROOM	●
WAITING ROOM	●
HEALTHCARE/ASSISTED LIVING	
ACTIVITY ROOM/COMMON AREA	●
BEAUTY SALON/BARBER SHOP	●
CORRIDOR	●
MAIN DINING AREAS (c)	●
DOCTOR/DENTIST OFFICE	●
LOBBY	●
RESIDENCE BATHROOM (d)	●
RESIDENCE KITCHEN	●
RESIDENCE ROOM	●

EDUCATIONAL ENVIRONMENTS	
AUDITORIUM	●
CAFETERIA, DINING AREA (c)	●
CLASSROOM/LECTURE HALL	●
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
COMPUTER REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
DATA WAREHOUSING	
DORMITORY ROOM	●
ELEVATOR	●
ENTRYWAY/FOYER (d)	
FOOD SERVICE AREA (c)	● d
GYMNASIUM	●
LABORATORY	● f
LAVATORY	●
LIBRARY	●
LOCKER ROOM (NO SPIKES)	2
MULTIPURPOSE/CAFETORIUM	●
OFFICE/ADMINISTRATIVE/CONFERENCE ROOM	●
RAMP/RAMPED CORRIDOR (DRY)	2
STAIRWAY/LANDING	●
TEACHER'S LOUNGE	●
TELECOM CENTER	
UTILITY/STORAGE AREA	●
RETAIL/STORE ENVIRONMENTS	
AUTOMOBILE SHOWROOM	●
CHECKOUT/CASH WRAP	●
COMPUTER REPAIR AREA	
ENTRYWAY/FOYER (d)	
FAST FOOD COUNTER (FRONT)	●
FLORAL AREA/GARDEN CENTER	●
FOOD SERVICE (c)	● d
FROZEN FOOD	●
INDOOR MALL COMMON AREA	●
LAUNDROMAT	●
PET SHOP	●
PHOTO PROCESSING	●
PRODUCE AREA	●
SALES FLOOR – DEPARTMENT STORE	●
SALES FLOOR – GROCERY	●
SALES FLOOR – MASS MERCHANT	●

## Flooring Recommendations Guide

**NOTE:** Feature™ Tile & Strips are recommended as accent and border pieces only.

● Recommended flooring choice(s) for the space

VCT, VCT with Diamond 10®  
Technology coating

VCT, VCT with Diamond 10®  
Technology coating

### CORPORATE ENVIRONMENTS

CAFETERIA/DINING AREA (c)	●
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
COMPUTER REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
DATA WAREHOUSING	
ELEVATOR	●
ENTRYWAY/FOYER (d)	
LAVATORY	●
LOBBY	●
LUNCHROOM (c)	●
OFFICE/ADMINISTRATION/CONFERENCE ROOM	●
STAIRWAY/LANDING	●
TELECOM CENTER	
UTILITY/STORAGE ROOM	●

### HOSPITALITY ENVIRONMENTS

COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
CORRIDOR	●
DANCE FLOOR	●
DINING AREA (c)	●
ELEVATOR	●
ENTRYWAY/FOYER (d)	
EXERCISE ROOM	●
GUEST BATHROOM (d)	●
GUEST ROOM	●
LOBBY	●
LOUNGE	●
STAIRWAY/LANDING	●
VENDING AREA (d)	●

### LIGHT-INDUSTRIAL ENVIRONMENTS (e)

CLEAN ROOM	
COMPUTER LAB REPAIR AREA	3
COMPUTER TRAINING ROOM (3)	●
DATA WAREHOUSING	
ELECTRONIC TESTING LAB	3
ELECTRONICS MANUFACTURING	3
ENVIRONMENTAL CONDITIONING LAB (g)	
OFFICE/CONFERENCE ROOM	●
PHOTO PROCESSING	●
PRODUCTION LABORATORY	● <sup>f</sup>
RESEARCH LABORATORY	● <sup>f</sup>
SMALL PARTS ASSEMBLY	●
STERILE PACKAGING	●
TELECOM CENTER	

### MILITARY HOUSING, LIGHT-COMMERCIAL ENVIRONMENTS

ACTIVITY ROOM/COMMON AREA	●
BEAUTY SALON/BARBER SHOP	●
CORRIDOR	●
DAYCARE AREA	●
DINING AREA	●
DOCTOR/DENTIST OFFICE	●
RESIDENCE BATHROOM (d)	●
RESIDENCE KITCHEN	●
RESIDENCE ROOM/BARRACK	●

### PUBLIC ENVIRONMENTS

OFFICE/RETAIL(AIRPORT/RAILWAY/ BUS TERMINAL)	●
OFFICE/MEETING ROOMS (CIVIC/ CONVENTION CENTER)	●
MUSEUM/CULTURAL CENTER	●

IN ADDITION TO SPACES LISTED ON THESE CHARTS: Commercial Products from Armstrong Flooring may be used on stairsteps, risers and landings. A manufactured slip-retardant nosing should always be applied on steps; Most commercial sheet floors can be flash coved (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; commercial products from Armstrong Flooring 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; commercial products from Armstrong Flooring should not be used as wall covering or wall surfacing.

NOTES: Numerical footnotes (1, 2, 3, etc.) apply to the space requirements; Alpha footnotes (a, b, c, etc.) apply to the product's suitability for the space. The numerical and alpha footnotes are consistent across all Recommended Applications Charts. Depending upon the category, product and space requirements, some footnotes may not appear.

- (a) In most cases veterinary applications are similar
- (b) Only operating rooms not requiring conductive flooring
- (c) Commercial products from Armstrong Flooring are not recommended for commercial kitchens and commercial food processing areas, including behind fast-food counters
- (d) No standing water, walk-off mats required
- (e) Most commercial products from Armstrong Flooring are not recommended for heavy industrial areas
- (f) Not recommended in laboratories that require special decontamination procedures on surfaces, including floors
- (g) Only homogeneous products are recommended in low-temperature environmental conditioning units NOT below 34° F (10° C)
- (h) Welded sheet vinyl is acceptable for ISO-4 (Class 10) through ISO-8 (Class 100,000) classified cleanrooms.

- (1) Aseptic Area—Hygienic conditions are of critical importance
- (2) Slip Retardance—A more secure walking surface is required for commercial spaces including daycare, beauty salons, and hotel/motel bathrooms
- (3) Not recommended in areas that require electrostatic discharge control





**Standard Excelon® Imperial® Texture**  
51803 pearl white; 51804 earthstone greige;  
51868 smokey brown

## Resistance to Staining Reagents

We extensively test all of our products in order to determine how our different flooring products will perform in use — and in particular, how the flooring will react to staining reagents. Owners and specifiers know the types of substances that may potentially stain surfaces in their building. This chart is designed to provide owners and specifiers with accurate information about a wide variety of cleaners, disinfectants, foods, beverages, oils, organic solvents, and other substances that may be found in buildings and affect the performance of the floor.

VCT with Diamond 10® Technology Coating delivers best in category stain resistance with reduced cost of polish maintenance over the life of the floor.

ORGANIC SOLVENTS	All VCT	VCT with Diamond 10®	Raffia® Stream™ with Diamond 10®
Acetone	0,S,D	0	0
Chloroform	0,S,D	0	0
Ethyl Acetate	0,S,D	0	0
Ethyl (Denatured) Alcohol	0,D	0	0
Ethyl Ether	0,D	0	0
Ethylene Glycol (Antifreeze)	0	0	0
Formaldehyde, 10%	0	0	0
Gasoline	0	0	0
Isopropyl Alcohol	0,D	0	0
Kerosene	0	0	0
Methyl ethyl ketone (M.E.K.)	0,S,D	0	0
Mineral Spirits	0	0	0
Toluene	0,S,D	0	0
Trichloroethylene	0,S,D	0	0
Turpentine	0,D	0	0
Xylene	0,S,D	0	0

### ALKALI (BASES)

Ammonium Hydroxide, 30%	0	0	0
Potassium Hydroxide, 15%	1,D	0	0
Sodium Hydroxide, 50%	0	0	0

### ACIDS

Acetic Acid, 28%	0,BI	1	3,D
Acetic Acid, Glacial	1,D	2,R	0
Hydrochloric Acid, 38%	0,BI	0	0
Lactic Acid, 10%	0,BI,R	0	0
Nitric Acid, 15%	0,BI	2	3,D
Phosphoric Acid, 85%	0,BI,R	1	0
Sulfuric Acid, 40%	0,BI,R	0	0
Sulfuric Acid, 10%	0,BI,R	0	0

### SALT SOLUTIONS

Calcium Chloride, Sat'd	0	0	0
Copper Sulfate, 10%	1	0	0
Ferric Chloride, 10%	2	1	0
Silver Nitrate, 1%	2	0	0

### MEDICAL STAINS & REAGENTS

Aniline Blue, 2.5%	1	0	0
Auramine Rhodamine	2	3	2
Basic Fuchsin	2	3	3
Betadine® Skin Cleanser	1	1	1
Betadine® Solution, 10%	1	1	1
Bromocresol Green	1	2	2
Carbol Fuchsin	3	3,R	3,R,S
Eosin, 1%	1	1	0
Gentian Violet, 2%	3	3	3
Glutaraldehyde	0	1	0
Iodine Tincture	3	3	3
Iodine Gram Stain	2	3	2
Iodoform, 1%	0	0	0
Lugol's Solution	3	3	3
Merthiolate Tincture	3	0	0
Methylene Blue	2	1	1
Picric Acid, 1%	3	2	1
Potassium Permanganate, 0.5%	2	3	3
Tincture of Benzoin	3,R	3,R	3,R
Urea Solution	0	0	0
Wright's Blood Stain	3	1	0

DISINFECTANTS AND CLEANERS	All VCT	VCT with Diamond 10®	Raffia® Stream™ with Diamond 10®
Ethyl Alcohol-Based Hand Sanitizer, 70%	0,D	0	0
Clorox®	0,D	0	0
Comet® Bathroom Cleaner	0,D	0	0
Hydrogen Peroxide	0,D	0	0
Lysol® Liquid Disinfectant	0,D	0	0

### FOOD SERVICE

Catsup	0	0	0
Coffee, Hot Black	1	0	0
Cola Drink	0	0	0
French Dressing	0	0	0
Mustard	2	1	2
Red Food Color	1	2	1
Red Wine	1	0	0
Soy Sauce	0	0	0
Spaghetti Sauce	1	0	0
Tea, Hot Black	1	0	0
Tomato Paste	0	0	0

### OFFICE

Ball Pen Ink	3	3	2
Carbon Paper Smudge	2	0	0
Fountain Pen Ink	2	0	0
Lead Pencil	1	0	0
Permanent Black Marker	3	3	3
Red Crayon	2	0	0
Red Tempura Paint	1	0	0

### OILS

Beef Tallow, Hot	0	0	0
Canola Oil	0	0	0
Cottonseed Oil	0	0	0
Brake Fluid	0,D	0	0
Dextron Transmission Fluid	0	0	0
Mineral Oil	0	0	0
Olive Oil	0	0	0
SAE #10 Oil	0	0	0
30 wt. Non-Detergent Oil	0	0	0
Used Motor Oil	1	0	0

### MISCELLANEOUS

Asphalt Driveway Sealer	1	0	0
Blue Chalk	1	0	0
Black Rit® Dye	3	0	1
Eye Shadow	0	0	0
Hair Color	3	3	3
Lipstick	2	0	0
Perfume	1	0	0
Red Candle Wax	2,R	0	0
Red Nail Polish	3,R	3,R	3,R
Shoe Polish, Liquid Brown	1	0	0
Shoe Polish, Paste Brown	3,R	1	3

Samples were tested as manufactured (no additional surface treatments). All samples were exposed to reagents for four hours (uncovered), then cleaned with a neutral commercial cleaner and cotton cloth. A key for interpreting results is found above. It is important to note that in some cases residual stain, residues and surface dulling may be further reduced or eliminated with different or more aggressive cleaning procedures and/or cleaning agents than the common method used for this multi-product comparison. For further details on appropriate cleaning methods and care for specific products, please consult the care and maintenance guidelines for the specific product at [ArmstrongFlooring.com/commercial](http://ArmstrongFlooring.com/commercial).

0: No Stain; 1: Slight; 2: Moderate; 3: Severe; BI: Bleaching; D: Dulling; S: Softening; R: Reagent left a residue

## National Average Installed Cost

Prices are approximations only. Actual prices will vary based on job conditions and local labor cost. Estimated prices include material and labor figured on a 500 sq. ft. (46.45 m<sup>2</sup>) open area installation without any specific cuttings or special subfloor preparation.

	Premium Excelon® Raffia® Stream™ with Diamond 10® Technology Coating	Standard Excelon® Imperial® Texture with Diamond 10® Technology Coating, Standard Excelon® MultiColor™ with Diamond 10® Technology Coating	Premium Excelon® Feature™ Tile & Strips - Colors	Premium Excelon® Feature™ Tile & Strips - Black	Premium Excelon® ChromaSpin™, Premium Excelon® Stonetex®, Premium Excelon® Companion Square®, Premium Excelon® Crown Texture™	Standard Excelon® Imperial® Texture, Standard Excelon MultiColor™
<b>THICKNESS</b>	0.125 in. (3.2 mm)	0.125 in. (3.2 mm)	0.125 in. (3.2 mm)	0.125 in. (3.2 mm)	0.125 in. (3.2 mm)	0.125 in. (3.2 mm)
<b>US DOLLARS</b>	\$3.35 – \$4.10	\$2.10 – \$2.85	\$2.75 – \$3.75	\$2.75 – \$3.25	\$2.50 – \$3.25	\$1.75 – \$2.50
<b>CANADIAN DOLLARS</b>	\$3.95 – \$4.70	\$2.45 – \$3.45	\$3.50 – \$4.50	\$3.00 – \$4.00	\$2.75 – \$3.75	\$2.00 – \$3.00

## Light Reflectivity - Why Is It Important

All light reflectivity values listed are based on a percentage system, the higher the percentage (eg. 20-24, 35-39), the higher the light reflectance of the floor. Research indicates reflectance can help drive daylight further into space and reduce reliance on artificial lighting, resulting in reduced electricity usage and costs. Glare from flooring is a characteristic of glossy finishes, not reflectance. Flooring in lighter colors with a matte finish have high reflectance values, but do not add to glare. LEED® encourages project teams to select flooring with high reflectivity values +/- 25%.

	Premium Excelon® Raffia® Stream™ with Diamond 10® Technology Coating	Premium Excelon® Crown Texture™	Premium Excelon® ChromaSpin™	Premium Excelon® Stonetex™	Premium Excelon® Companion Square®, Premium Excelon® Feature™ Tile, Strips & Insets, Standard Excelon® MultiColor™	Standard Excelon® Imperial® Texture
<b>0-9</b>	Z5928, Z5937	5C242, 5C910	54803	52144	51970	51814, 51816, 51820, 51910, 51944, 51946, 59242, 59243
<b>10-14</b>	Z5921, Z5923, Z5938	5C230, 5C240, 5C243, 5C915, 5C944	54821, 54823, 54826, 54830, 54831	52148, 52154, 52157, 52161, 52164, 52167, 52179, 52189,	52517	51818, 51821, 51824, 51868, 51875, 51880, 51884, 51915, 51934, 51943, 51947, 51948, 57500, 59230, 59240
<b>15-19</b>	Z5934, Z5935	5C231, 5C239, 5C868, 5C880	54813, 54819, 54822, 54827, 54829	52147, 52149, 52169	52518, 52522	51813, 51869, 51882, 57504, 57507, 57513, 57514, 57515, 57517
<b>20-24</b>	Z5933	5C232, 5C244, 5C869, 5C882	54802, 54824	52135, 52160, 52194	—	51802, 51872, 51879, 51916, 51942, 57503, 57505, 57506, 59244
<b>25-29</b>	Z5922, Z5926	5C802, 5C875, 5C942	54812, 54816, 54818, 54820	52125, 52166, 52168, 52186, 52199	—	51804, 51874, 51881, 51927, 57508, 57511, 57512
<b>30-34</b>	Z5901, Z5924	5C872, 5C906	54806, 54825	52141, 52155, 52170, 52173	—	51866, 51867, 51877, 51885, 51903, 51906, 57502
<b>35-39</b>	Z5927	5C236, 5C238, 5C866, 5C901, 5C904	54801, 54809, 54811	52126, 52202	52524, 52525	51801, 51805, 51807, 51830, 51883, 51901, 51904, 51932, 57501, 57516, 59233, 59236, 59238
<b>40-44</b>	Z5940	5C233, 5C805	54805, 54828	52122, 52143, 52156, 52165, 52172, 52183	52515	51803, 51905, 51938, 57510
<b>45-49</b>	Z5920, Z5930	5C241, 5C803, 5C908, 5C932	54815, 54817	52180	51972, 52516, 52521	51873, 51876, 51878, 51908, 51928, 59241
<b>50-54</b>	—	5C861, 5C876, 5C878	54804, 54808	52128	52523	51809, 51810, 51836, 51858, 51860, 51861, 59235
<b>55-59</b>	Z5929	5C235, 5C237, 5C811, 5C858	54814	54814	52520	51800, 51811, 51812, 51911, 57509
<b>60-64</b>	Z5900	5C234	54810	52127, 52139	51973, 51974, 51977	51839, 51929, 51941, 59234, 59237
<b>65-69</b>	—	5C899	54800, 54807	52140	51983, 52506, 52513	51899
<b>70-74</b>	—	—	—	—	52500, 52505, 52514	51933, 57518

NOTE: For light reflectivity values on Standard Excelon® Imperial® Texture and MultiColor™ with Diamond 10® Technology coating, please contact Armstrong® Flooring Commercial TechLine at 1-888-276-7876.



## Adhesives and Installation

Our adhesives and installation options, backed by the Armstrong Flooring Guaranteed Installation System, help create a flooring package that gives you a great warranty, backed by the most trusted, reliable name in flooring. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for complete installation guidelines.



### S-515 Tile Strong™ Adhesive

**High-Moisture:** 95% RH, 7lbs. MVER

- High moisture guarantee
- Can also be used over cutback adhesive residue
- Dries clear to easily see chalk lines

Open time: 30+ minutes

Working time: 24 hours

Spread rate: 285–335 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



### S-525 Bio-flooring Adhesive

**High-Moisture:** 90% RH, 7lbs. MVER

- High moisture guarantee
- Can also be used over cutback adhesive residue
- Water-resistant when fully cured

Open time: Minimum of 20 minutes or until dry-to-touch

Working time: 24 hours

Spread rate: 275–325 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



### S-700 Floor Tile Adhesive Thin Spread

**Standard:** 80% RH, 5lbs. MVER

- Black asphalt adhesive
- Can also be used over cutback adhesive residue
- Can be used over metal subfloors

Open time: 30+ minutes

Working time: 18 hours

Spread rate: 350–400 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



### S-750 Premium Floor Tile Adhesive

**Premium:** 80% RH, 5lbs. MVER

- Strong initial grab
- Can also be used over cutback adhesive residue
- Can be used as a primer

Open time: 30+ minutes

Working time: 6 hours

Spread rate: 275–350 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



### Flip® Spray Adhesive

**High-Moisture:** 95% RH

- High-moisture guarantee
- Warranted for heavy rolling loads
- Simple one-step application process

Open time: until dry to touch, approximately 30 minutes

Working time: should not exceed 4 hours

Spread rate: 160–185 sq. ft./bottle

Options: 22 oz. bottle

ADHESIVE OPTIONS (Depends on Substrate)			MOISTURE LIMITS		pH Readings
Wood, Concrete, Ceramic, Terrazzo, Marble	Metal	Existing Resilient Floor	MVER Calcium Chloride Test (lbs./1000 sq. ft./24 hrs.)	Relative Humidity In-Situ Probe	
S-515, S-525 High Moisture, S-700, S-750 or Flip® Spray Adhesive	S-700	S-515, S-525 High Moisture, S-750 Tile-On System or Flip® Spray Adhesive	5; 7 when using S-515 or S-525	95% – Flip® Spray Adhesive & S-515 90% – S-525 80% – S-750 & S-700	5-9; 5-11 – Flip® Spray Adhesive, S-515 or S-525

## Floor Care is Important - Maintenance Options

Our maintenance guidelines can help you protect and improve the appearance of the floor, reducing the effects of wear and abrasion and preserving a fresh look for years. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for complete and product specific maintenance recommendations.

Diamond 10® Technology coating is a reduced maintenance product that will help you save on costly polish maintenance. The recommended maintenance procedures will depend on the desired appearance and the wear expected on the floor.



### S-485 Commercial Floor Cleaner

- Neutral floor cleaner at normal dilution, 8.5 pH
- High efficiency allows dilution to as low as 64:1
- Low-foaming formula is great for automatic floor machines, damp-mopping, and/or moderate to heavy scrubbing
- Won't strip polish
- Pleasant fragrance
- Contains no phosphates

**Spread Rate:** Cleaners and strippers do not have a spread rate; dilute according to instructions for proper pH level

**Options:** 1 gallon (4 gal./ctn.), 5 gallon



### S-480 Commercial Floor Polish

- Meets the ASTM D2047 standard for slip-resistance on dry floors
- High durability for long-lasting protection
- Dries bright for areas where buffing is not applicable or desired
- Metal cross-linked acrylic copolymer emulsion polish, 8.5 - 8.75 pH
- 18% solids for easy application and excellent leveling

**Spread Rate:** 1500 - 2000 sq. ft. gallon per coat depending on the surface characteristics of the floor

**Application:** Excellent buffing response for spray-buffing repairs or high-speed burnishing programs (up to 2,000 rpm)

**Options:** 1 gallon (4 gal./ctn.), 5 gallon



### S-495 Commercial Floor Sealer

- Stain-resistant sealer for porous or well-worn floor surfaces
- Provides an excellent base for S-480 or other commercial floor polishes
- High durability for long lasting protection
- Water-based acrylic emulsion, 7.8 pH
- 16% solids for easy application and excellent leveling
- Semi-permanent for resistance to conventional polish stripping

**Spread Rate:** 1500–2000 sq. ft. per gallon per coat

**Options:** 1 gallon (4 gal./ctn.), 5 gallon

### MAINTENANCE OPTIONS: TRADITIONAL VCT

Low Maintenance/No Polish Option			Traditional
Spray Buff	Dry Buff	No Buff	Polish
			✓

### ARMSTRONG FLOOR CARE PRODUCTS

Cleaners	Sealers	Polishes
S-485	S-495	S-480

### MAINTENANCE OPTIONS: DIAMOND 10® TECHNOLOGY COATING

Low Maintenance/No Polish Option			Traditional
Spray Buff	Dry Buff	No Buff	Polish
✓	✓	✓	✓

### ARMSTRONG FLOOR CARE PRODUCTS

Cleaners	Sealers	Polishes
S-485	S-495	S-480





## VINYL COMPOSITION TILE

# PREMIUM EXCELON™ | STANDARD EXCELON™

### Material

Composed of 85% limestone in a polyvinyl chloride binder with pigments. Color and pattern detail are dispersed uniformly throughout the thickness of the material. Color pigments are insoluble in water and resistant to cleaning agents and light.

Diamond 10® Technology Coating products include a cultured diamond-infused coating for superior protection against scratches, stains and scuffs.

### Size

#### Raffia Stream

12 in. x 24 in. (305 mm x 610 mm)

#### Crown Texture, ChromaSpin, Companion Square, Feature Tile, MultiColor, Imperial Texture, Stonetex

12 in. x 12 in. (305 mm x 305 mm)

#### Feature Strips

2 in. x 24 in. (50.8 mm x 610 mm),

4 in. x 24 in. (101.6 mm x 610 mm),

6 in. x 24 in. (152.4 mm x 610 mm)

### Gauge (nominal thickness)

1/8 in. (3.2 mm)

3/32 in. (2.4 mm) – non-Diamond 10 Imperial Texture only

### Limitations

VCT should not be used in the following areas:

- Hospital operating rooms.
- Heavy industrial and exterior areas.
- Commercial kitchens and commercial food processing areas.
- Where pointed spikes such as golf or track shoes will be used.

### Suitable for Application Over

- Concrete, terrazzo, and other dry, structurally sound monolithic subfloors, which are suspended, on grade, or below grade.
- Suspended wood subfloor construction with approved wood underlayments, and a minimum of 18 in. (45.72 cm) well-ventilated air space below.
- Most metal floors 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, on grade or below grade.
- 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

#### Packaging

Size	Pieces/Ctn.	Sq. Ft./Ctn	Lbs./Ctn.
12 in. x 12 in.	45	45	63 (28.5 kg)
12 in. x 24 in.	22	44	61 (27.7 kg)
2 in. x 24 in.	24	8	11 (4.99 kg)
4 in. x 24 in.	100	66.7	88 (39.9 kg)
6 in. x 24 in.	50	50	68 (30.8 kg)

### Gloss (typical value)

Raffia Stream – 60 degrees specular: 65-70

All Others – 60 degrees specular: 10-30

### International Specifications

Stonetex, MultiColor, Imperial Texture, Companion Square, ChromaSpin, Crown Texture, Raffia Stream –

ASTM F 1066, Class 2 through pattern, ISO 10595, Type II

Feature Tile & Strips –

ASTM F 1066, Class 1 solid color, ISO 10595, Type I

### Static Load Limit

ASTM F 970

125 lbs./sq. in. (8.79 kg/cm²)

**NOTE:** Floors should be protected from sharp-point loads and heavy static loads. High-heeled traffic (1000 psi (70.3 kg/cm²) or more) may visibly damage wood, resilient and other floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.

### 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

CAN/ULC S102.2 Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and Assemblies.

Flame Spread Rating – 0

Smoke Developed Classification – 30 (Raffia Stream 5)

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

#### Job Conditions

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.

Spray paints, permanent markers and other indelible ink markers must not be used to write on the back of the flooring material or used to mark the concrete slab as they could bleed through, telegraphing up to the surface and permanently staining the flooring material. If these contaminants are present on the substrate, they must be mechanically removed prior to the installation of the flooring material.

For more detailed requirements of concrete, wood and metal subfloors, as well as wood and trowelable underlayments, refer to the installation instructions at [ArmstrongFlooring.com](http://ArmstrongFlooring.com).

Moisture testing must be performed on all concrete slabs regardless of their age or grade level including areas where resilient flooring has already been installed. Moisture Vapor Emission Rate (MVER) using Calcium Chloride (ASTM F1869) and/or percent relative humidity (ASTM F 2170) tests must be conducted. Following are the Armstrong Flooring maximum allowable moisture limits:

- When using Flip® Spray Adhesive, moisture test results shall not exceed 95% RH per ASTM F 2170.
- When using S-515 Tile Strong™ adhesive, moisture test results shall not exceed a MVER of 7.0 lbs/1000 sq. ft./24 hours per ASTM F 1869 and/or 95% RH per ASTM F 2170.
- When using S-525 Adhesive, moisture test results shall not exceed a MVER of 7.0 lbs/1000 sq. ft./24 hours per ASTM F 1869 and/or 90% RH per ASTM F 2170.
- When using S-700 or S-750 Adhesives, moisture test results shall not exceed a MVER of 5.0 lbs/1000 sq. ft./24 hours per ASTM F 1869 and/or 80% RH per ASTM F 2170.

On installations where both the Moisture Vapor Emission Rate and percent internal relative humidity tests are conducted, results for both tests shall comply with the allowable limits listed above.

Before installation, concrete floors should also be tested for pH following procedures in ASTM F 710. When testing for pH, the allowable readings for the installation of Armstrong flooring are 5-11 when using S-515, S-525 or Flip® Spray Adhesive and 5-9 when using S-700 or S-750.

Bond Test should also be conducted for compatibility with the substrate.

Temperature shall be maintained at a minimum of 65° F (18° C) and a maximum of 100° F (38° C) for 48 hours prior to installation, during installation and 48 hours after completion. A minimum temperature of 55° F (13° C) shall be maintained thereafter. Condition all flooring materials and adhesives to room temperature at least 48 hours prior to starting installation. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances.

Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for installation instructions.

### MAINTENANCE: TRADITIONAL VCT

Traditional VCT is designed to be maintained by traditional resilient flooring maintenance methods, which include the use of polishes, spray-buffing techniques and appropriate high-speed maintenance systems.

Initial Maintenance Immediately Following Installation:

- Sweep or vacuum thoroughly.
- Damp mop with a properly diluted neutral detergent solution such as Armstrong S-485 Floor Cleaner – carefully wiping up black marks and excessive soil.
- Apply two coats of high quality commercial floor polish such as Armstrong S-480.
- Do not wash, scrub or strip the floor for at least five days after installation.

### MAINTENANCE: DIAMOND 10® TECHNOLOGY COATING VCT

Diamond 10® Technology coating is a reduced maintenance product that will help you save on costly polish maintenance. The recommended maintenance procedures will depend on the desired appearance and the wear expected on the floor.

Depending on application and traffic, polish maintenance options range from low maintenance to reduced maintenance.

For specific, ongoing maintenance procedures and options visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com)

### LIMITED WARRANTY

Armstrong Flooring warrants its regular (first quality) commercial floors to be free from manufacturing defects and warrants the installation integrity for 5 years (10 years for Diamond 10® Technology coating products) from the date of purchase, if installed according to the installation and maintenance instructions at [floorexpert.com](http://floorexpert.com). This limited warranty extends only to the original end-user. See Armstrong Flooring Commercial Floor Limited Warranty at [floorexpert.com](http://floorexpert.com) for warranty details, limitations and exclusions.

**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.**



Premium Excelon®  
Raffia Stream™  
with Diamond 10®  
Technology coating  
Z5929 blizzard

[ArmstrongFlooring.com/commercial](http://ArmstrongFlooring.com/commercial) | 1 888 276 7876



Made in USA  
with global and  
domestic content.



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