



Armstrong®
FLOORING

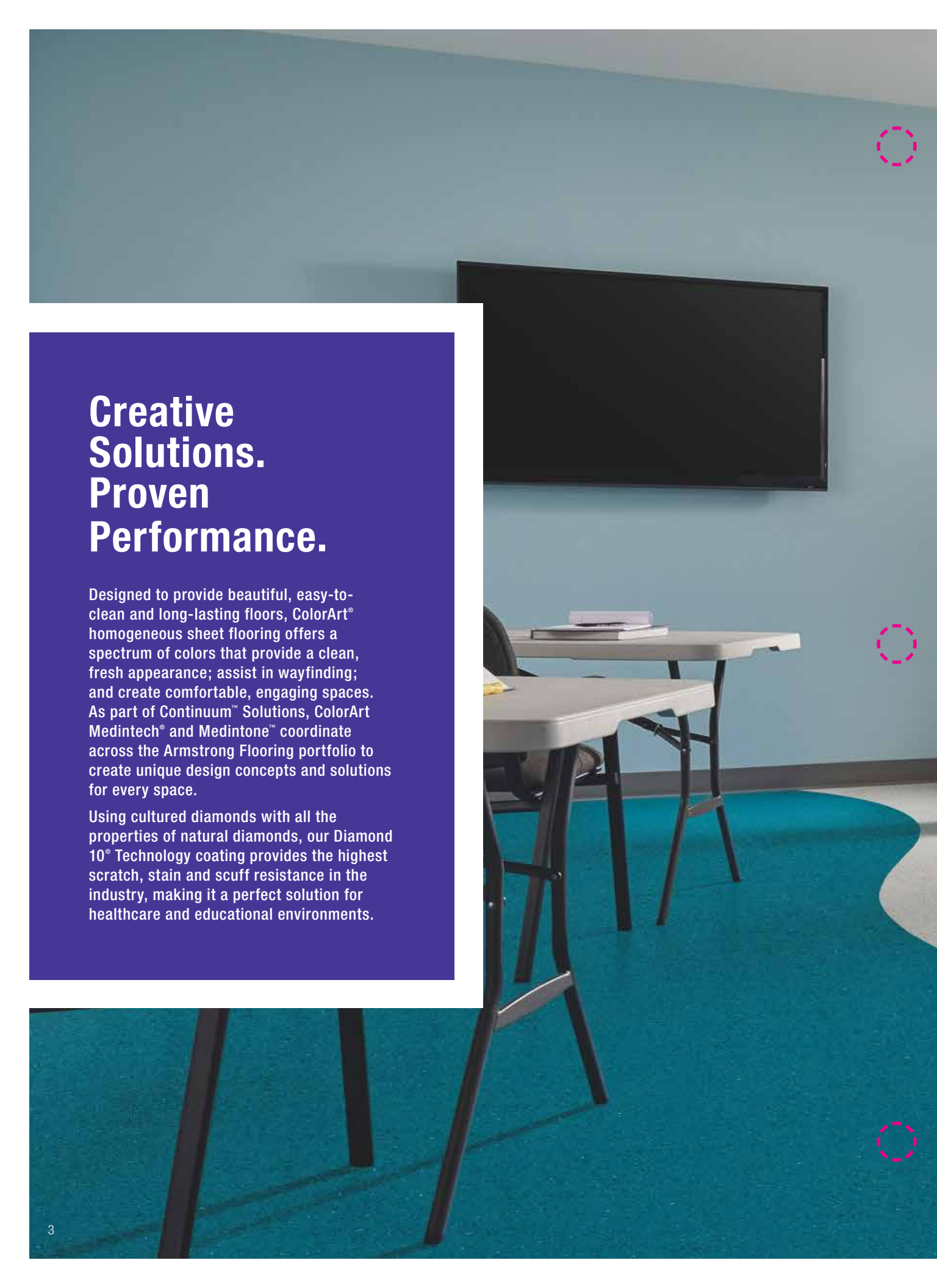


HOMOGENEOUS SHEET

COLORART®

Medintech® | Medintone™

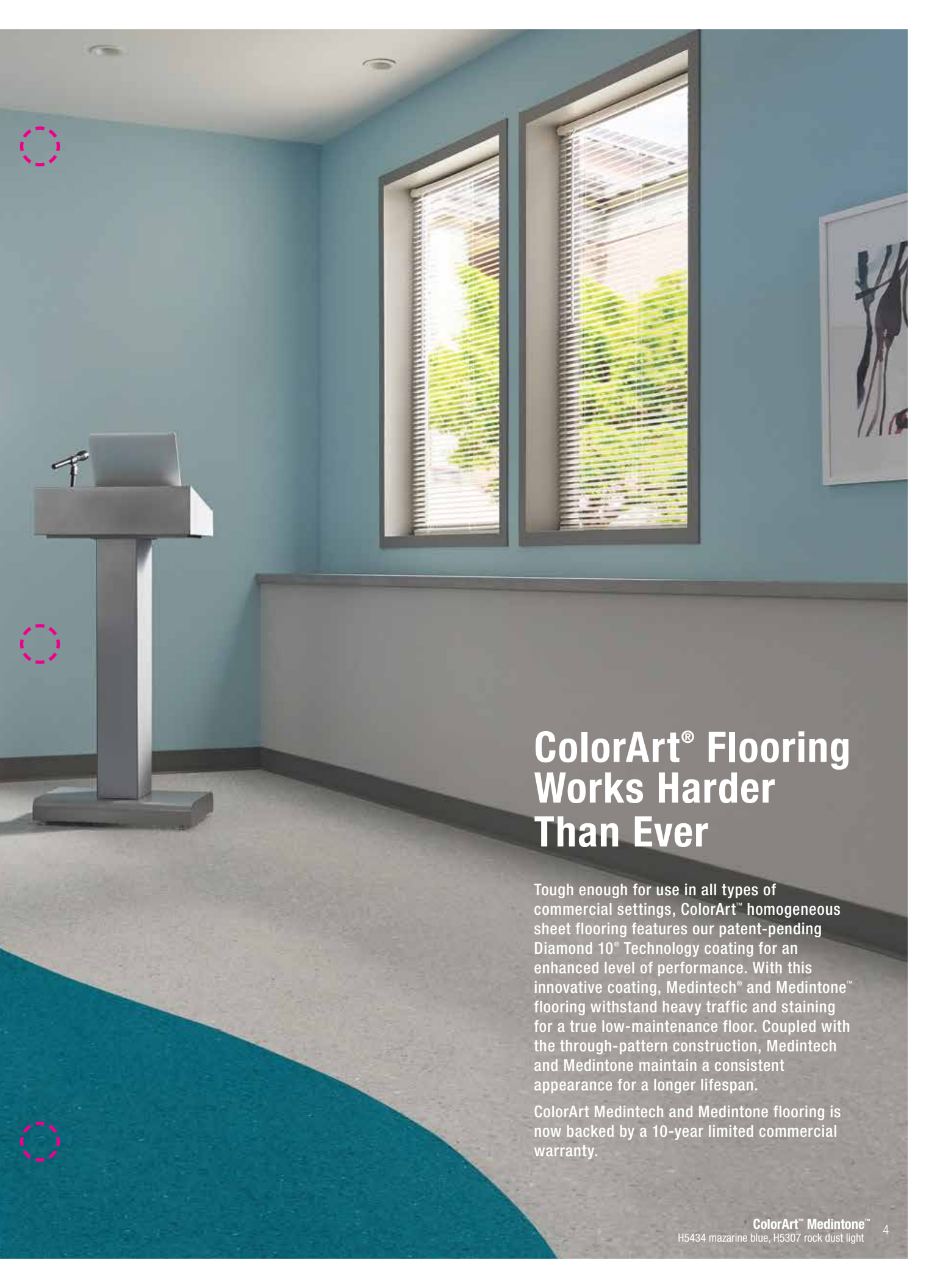




Creative Solutions. Proven Performance.

Designed to provide beautiful, easy-to-clean and long-lasting floors, ColorArt® homogeneous sheet flooring offers a spectrum of colors that provide a clean, fresh appearance; assist in wayfinding; and create comfortable, engaging spaces. As part of Continuum™ Solutions, ColorArt Medintech® and Medintone™ coordinate across the Armstrong Flooring portfolio to create unique design concepts and solutions for every space.

Using cultured diamonds with all the properties of natural diamonds, our Diamond 10® Technology coating provides the highest scratch, stain and scuff resistance in the industry, making it a perfect solution for healthcare and educational environments.



ColorArt® Flooring Works Harder Than Ever

Tough enough for use in all types of commercial settings, ColorArt™ homogeneous sheet flooring features our patent-pending Diamond 10® Technology coating for an enhanced level of performance. With this innovative coating, Medintech® and Medintone™ flooring withstand heavy traffic and staining for a true low-maintenance floor. Coupled with the through-pattern construction, Medintech and Medintone maintain a consistent appearance for a longer lifespan.

ColorArt Medintech and Medintone flooring is now backed by a 10-year limited commercial warranty.

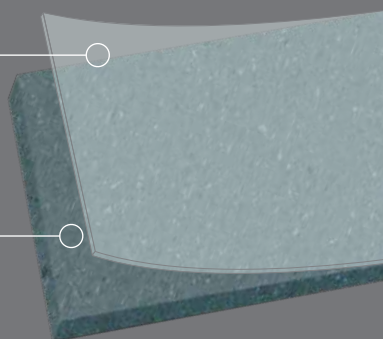


**Diamond 10® Technology Coating—
cultured diamond-infused coating**

- Highest scratch, stain and scuff resistance in the industry
- Dirt- and stain-resistant qualities for easy cleaning and maintenance
- Enhanced appearance retention

True Through-Pattern Wear Layer

- Pattern/color wear performance:
High durability
Abrasion and gouge resistance
Dimensional stability





Durable Performance Year After Year

Take a look for yourself at our scratch, stain and scuff resistance and ask your Armstrong Flooring sales representative for a demonstration.

SCRATCH RESISTANCE

Each product was scratched using very fine grit sand paper under a 7.5 lb. load and 10 passes.



ColorArt™



Rubber
Competitor



Homogeneous
Competitor A



Homogeneous
Competitor B

SCRATCH & STAIN RESISTANCE

Each product was scratched using very fine grit sand paper under a 7.5 lb. load and 10 passes. After abrading the surface, methylene blue and Betadine® antiseptic solution was applied to each product. The methylene blue was removed with a dry paper towel and isopropyl alcohol. Betadine was removed with a dry paper towel.



ColorArt™



Rubber
Competitor



Homogeneous
Competitor A



Homogeneous
Competitor B

Easy Maintenance

The beauty of ColorArt® homogenous flooring with Diamond 10® Technology coating is its exceptional ease of maintenance, allowing commercial facilities to reduce costly disruption of operations. The washable surface cleans and dries quickly using common maintenance supplies, making Medintech® and Medintone™ a low-maintenance, no-polish solution with the option to polish.

- No Polish/No Buff
- No Polish/Spray Buff
- No Polish/Dry Buff

With Diamond 10 Technology coating, ColorArt flooring has a true no-polish option with dirt-, scratch- and stain-resistant qualities that make it easier and less costly to maintain.

POLISH

Strip once with a stripper containing sodium hydroxide (NaOH) at a concentration of 1% or greater, such as Spartan® Square One®, and a dilution of no more than 1:4. This will activate the surface to enable polish wet out and adhesion, while maintaining the Diamond 10 Technology coating scratch, stain and scuff properties beneath the polished surface. As with all polished floors, floor performance equals the performance of the polish.

DISINFECTANT/WET OUT

Before first application of a disinfectant cleaner, scrub floor with Armstrong® Flooring S-485 Commercial Floor Cleaner at 6 ounces/gallon using a rotary machine equipped with a 3M™ Blue Cleaner Pad to promote disinfectant wet out. If disinfectant does not wet out to your maintenance standards, strip once with a stripper containing sodium hydroxide (NaOH) at a concentration of 1% or greater, such as Spartan® Square One®, and a dilution of no more than 1:4.

Visit ArmstrongFlooring.com/commercial for detailed maintenance instructions.





Closing the Loop on Sustainability

ColorArt® Medintech® and Medintone™ are made from the highest quality materials. Commercial products from Armstrong Flooring are low emitting and compliant with the California Department of Public Health (CDPH V1.1) Standard Method – the most stringent in North America.

- Ortho-Phthalates Free and heavy-metal free
- Low VOC Emissions and FloorScore® certified
- Third-party certified Environment Product Declaration (EPD)
- Recyclable through the On&On™ Sustainability Recycling Program
- Helps conserve energy when higher-rated light reflective colors are selected

ColorArt™ Medintone™
H5438 light aubergine, H5328 grayed blue light
ColorArt™ Medintech®
84163 almond

HOMOGENEOUS SHEET

ColorArt® Medintone™



Indicates
Coordinating
Wall Base



Indicates
Coordinating
Weld Rod

S: Solid
P: Patterned

H5311
natural white



S: WS129 P: WP311

H5319
sand light



S: WS135 P: WP319

H5307
rock dust light



S: WS126 P: WP307

H5304
natural gray light



S: WS123 P: WP304

H5315
light chocolate



S: WS132 P: WP315

H5320
sand mic



S: WS136 P: WP325

H5308
rock dust mid



S: WS127 P: WP308

H5305
natural gray



S: WS124 P: WP305

H5316
powder chocolate



S: WS133 P: WP316

H5312
natural



S: WS130 P: WP312

H5421
haze



S: WS148 P: WP421

H5306
natural gray dark



S: WS125 P: WP306

H5317
milk chocolate



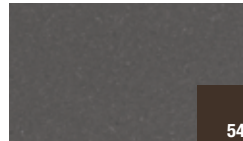
S: WS134 P: WP317

H5313
natural tone



S: WS131 P: WP313

H5310
rock brown



S: WS128 P: WP310

H5303
almost black



S: WS122 P: WP303

H5422
walnut



S: WS149 P: WP422

H5403
brown umbra



S: WS144 P: WP403

H5420
little black book



S: WS147 P: WP420



HOMOGENEOUS SHEET

ColorArt® Medintone™



Indicates
Coordinating
Wall Base



Indicates
Coordinating
Weld Rod

S: Solid

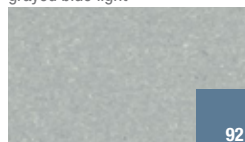
P: Patterned

H5300
cool white



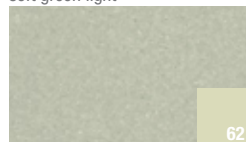
S: WS119 P: WP300

H5328
grayed blue light



S: WS137 P: WP328

H5358
soft green light



S: WS141 P: WP358

H5436
maize yellow



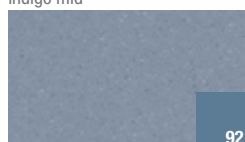
S: WS162 P: WP436

H5301
gray light



S: WS120 P: WP301

H5350
indigo mid



S: WS139 P: WP350

H5362
refresh green mid



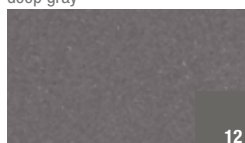
S: WS142 P: WP362

H5437
gold leaf



S: WS163 P: WP437

H5302
deep gray



S: WS121 P: WP302

H5351
indigo



S: WS140 P: WP351

H5408
lime grass



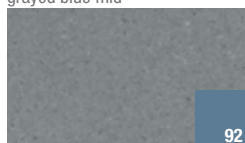
S: WS146 P: WP408

H5423
golden sun



S: WS150 P: WP423

H5329
grayed blue mid



S: WS138 P: WP329

H5432
regatta



S: WS158 P: WP432

H5435
promise green



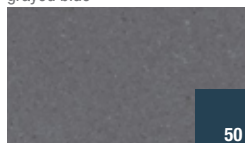
S: WS161 P: WP435

H5424
zaffron



S: WS151 P: WP424

H5532
grayed blue



S: WS165 P: WP532

H5406
ocean blue



S: WS145 P: WP406

H5427
perfectly plum



S: WS154 P: WP427

H5425
tangerine



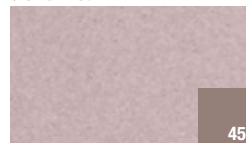
S: WS152 P: WP425

H5433
blue lagoon



S: WS159 P: WP433

H5429
orchid mist



S: WS156 P: WP429

H5402
all fired up



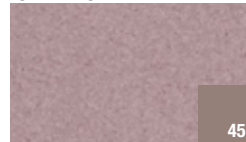
S: WS143 P: WP402

H5431
mosaic blue



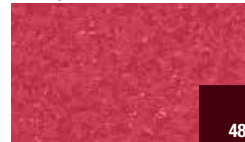
S: WS157 P: WP431

H5438
light aubergine



S: WS164 P: WP438

H5426
flamingo



S: WS153 P: WP426

H5434
mazarine blue



S: WS160 P: WP434

H5428
hydrangea



S: WS155 P: WP428

HOMOGENEOUS SHEET

ColorArt® Medintech®



Indicates
Coordinating
Wall Base



Indicates
Coordinating
Weld Rod

S: Solid
P: Patterned

84880
dahlia sky



S: WS116 P: WP880

84410
color fleck



S: WS106 P: WP410

84197
silver gray



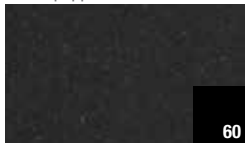
S: WS103 P: WP197

84620
chateau gray



S: WS109 P: WP620

84680
salt 'n pepper



S: WS112 P: WP680

84760
ixia



S: WS113 P: WP760

84850
freesia pearl



S: WS114 P: WP850

84860
campanula buff



S: WS115 P: WP860

84320
pumice stone



S: WS104 P: WP320

84163
almond



S: WS102 P: WP163

84950
carthamus champagne



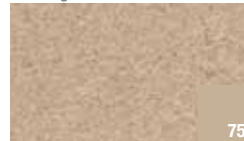
S: WS117 P: WP950

84970
brushed sand



S: WS118 P: WP970

84390
desert gold



S: WS105 P: WP390

84672
cocoa natural



S: WS111 P: WP672

84515
golden glow



S: WS107 P: WP515

84129
oatmeal



S: WS101 P: WP129

84660
ambrosia



S: WS110 P: WP660

84526
sandalwood



S: WS108 P: WP526



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, Weld Rods, Stair Treads, Transition Strips and Maintenance products. Go to ArmstrongFlooring.com to view our complete line.



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.

Recommended flooring choice(s) for the space	ColorArt® Medintech®, Medintone™ 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)	●
PATIENT ROOM	●
PHARMACY	●
RAMP/RAMPED CORRIDOR (DRY)	2
SCRUB AREA	●
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	●

	ColorArt® Medintech®, Medintone™ with Diamond 10® Technology coating
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	●
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)	●
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

● Recommended flooring choice(s) for the space

ColorArt® Medintech®, Medintone™
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)	●

ColorArt® Medintech®, Medintone™
with Diamond 10® Technology coating

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	●
RESEARCH LABORATORY	●
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 (c)	●
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	●

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 Retardant—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



ColorArt™ Medintech®
84129 oatmeal

ColorArt™ Medintone™
H5362 refresh green mid

Natural Creations® ArborArt®
NA192 Avilia Oak peruvian cocoa

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 solvent and other substances that may be found in buildings and affect the performance of the floor.

ORGANIC SOLVENTS

Acetone	0
Chloroform	0
Ethyl Acetate	0
Ethyl (Denatured) Alcohol	0
Ethyl Ether	0
Ethylene Glycol (Antifreeze)	0
Formaldehyde, 10%	0
Gasoline	0
Isopropyl Alcohol	0
Kerosene	0
Methyl ethyl ketone (M.E.K.)	0
Mineral Spirits	0
Toluene	0
Trichloroethylene	0
Turpentine	0
Xylene	0

ALKALI (BASES)

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

ACIDS

Acetic Acid, 28%	0
Acetic Acid, Glacial	0
Hydrochloric Acid, 38%	0
Lactic Acid, 10%	0
Nitric Acid, 15%	0
Phosphoric Acid, 85%	0
Sulfuric Acid, 40%	0
Sulfuric Acid, 10%	0

SALT SOLUTIONS

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

MEDICAL STAINS & REAGENTS

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

DISINFECTANTS AND CLEANERS

Ethyl Alcohol-Based Hand Sanitizer, 70%	0
Clorox®	0
Comet® Bathroom Cleaner	0
Hydrogen Peroxide	0
Lysol® Liquid Disinfectant	0

FOOD SERVICE

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

OFFICE

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

OILS

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

MISCELLANEOUS

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

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.

0: No Stain; 1: Slight; 2: Moderate; 3: Severe;
 B: 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 m²) open area installation without any specific cuttings or special subfloor preparation.

	ColorArt® Medintech® with Diamond 10® Technology coating	ColorArt® Medintone™ with Diamond 10® Technology coating
THICKNESS	0.080 in. (2.0 mm)	0.080 in. (2.0 mm)
US DOLLARS	\$5.25 – \$6.00	\$5.25 – \$6.00
CANADIAN DOLLARS	\$4.75 – \$5.50	\$5.25 – \$6.00

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%.

	ColorArt® Medintech® with Diamond 10® Technology coating	ColorArt® Medintone™ with Diamond 10® Technology coating
0-9	84680	H5303, H5420, H5403, H5432, H5406, H5427, H5428
10-14	84672	H5310, H5433, H5434, H5435
15-19	–	H5306, H5422, H5351, H5532
20-24	84620	H5302, H5313, H5317, H5431, H5426
25-29	–	H5305, H5421, H5329, H5402
30-34	–	H5308, H5320, H5350, H5362, H5408, H5425
35-39	84320, 84526	H5312, H5316, H5438
40-44	–	H5301, H5304
45-49	84390, 84660	H5328, H5437, H5424
50-54	84129, 84860, 84970	H5307, H5315, H5319, H5358, H5429
55-59	84515, 84950	H5311, H5436
60-64	84197, 84410, 84760, 84850	H5423
65-69	84163, 84880	H5300
70-74	–	–

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 for complete installation guidelines.



Flip® Spray Adhesive

High-Moisture: 95% RH

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

Open time: varies depending on adhesive coverage

Working time: should not exceed 4 hours

Spread rate (Commercial Sheet):
140–150 sq. ft./bottle

Options: 22 oz. bottle



S-543 Commercial Sheet Flooring and LVT Adhesive

High-Moisture: 90% RH, 7lbs. MVER for LVT
5lbs. MVER for Sheet

- High-moisture guarantee
- Reduced need for moisture remediation

Open time: 10–20 minutes over porous
30+ minutes over non-porous

Working time: 8 hours after dry to touch

Spread rate: 225–275 sq. ft./gal.

Trowel: fine notch and back roll

Options: 1 gallon, 4 gallon



S-240 Epoxy Adhesive

Epoxy: 90% RH, 8 lbs. MVER

- For use with Commercial sheet, Linoleum sheet, VCT, LVT and Rubber Tiles
- Recommended for heavy loads
- Can be used on multiple substrates

Open time: 10–20 minutes

Working time: 60 minutes

Spread rate: 170–190 sq. ft./gal.

Trowel: fine notch

Options: 3/4 gallon, 1-1/2 gallon



S-580 Flash Cove Adhesive

- Pressure sensitive adhesive with unlimited working time

Open time: 20–30 minutes

Working time: Unlimited

Spread rate: 200–250 sq. ft./half gal.

Applicator: Brush or Roller

Options: 1/2 gallon



S-599 ChoiceStrong™

Vinyl Sheet Adhesive Premium Commercial

High Moisture: 90% RH, 5lbs. MVER

- Strong bond and shear strength
- Can be used for vinyl-, glass- and felt-backed sheet

Open time: 10–20 minutes over porous

30+ minutes over non-porous

Working time: 60 minutes after dry to touch

Spread rate: 250–300 sq. ft./gal.

Trowel: fine notch

Options: 1 gallon, 4 gallon



S-761 Seam Adhesive for Sheet Flooring

- Quick and easy seaming method for vinyl sheet and linoleum sheet
- Excellent seam integrity

Open time: None

Working time: 15 minutes

Spread rate: 144 lin. ft./8 oz. bottle (with 1/8" bead)

Options: 8 oz. bottle

ADHESIVE OPTIONS (Depends on Substrate)

Wood, Concrete, Ceramic, Terrazzo, Marble, Metal, Existing Resilient Floor

S-543 High Moisture, S-599 full-spread, S-240 in heavy static and dynamic load areas, S-580 in flash cove areas, Flip®

Seams
Heat weld or seam seal with S-761
Heat weld only with Flip or S-240

MOISTURE LIMITS

MVER Calcium Chloride Test (lbs./1000 sq. ft./24 hrs.)

5;
8 when using S-240

Relative Humidity In-Situ Probe

95% – Flip
90% – S-543, S-240 & S-599

pH Readings

5-9;
5-11 for S-543



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 for complete Maintenance recommendations.



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-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



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

MAINTENANCE OPTIONS

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

ARMSTRONG FLOOR CARE PRODUCTS

Cleaners	Sealers	Polish
S-485	S-495	S-480







Inspiring
Great
Spaces®

HOMOGENEOUS SHEET

COLORART® Medintech® | Medintone™

Material

An unbacked, nonlayered, homogeneous sheet vinyl flooring. Protected by a UV-cured, high performance cultured diamond-infused polyurethane finish, the colors and pattern detail are dispersed uniformly throughout the thickness of the product. Color pigments are insoluble in water and resistant to cleaning agents and light.

Size

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

Gauge (nominal thickness)

0.080 in. (2.0 mm) overall (nominal)
0.080 in. (2.0 mm) wear layer (nominal)

Limitations

Medintech® and Medintone™ with Diamond 10® Technology coating should not be used in the following areas:

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

NOTE: Concentrated static and dynamic loads such as hospital beds, roll-out bleachers, portable x-ray machines, etc. may visibly damage resilient as well as other types of floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.

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.

*This does not necessarily indicate everything that you cannot install over.

TECHNICAL DATA

Shipping Weight

Approximately 5.62 lbs./sq. yd. (3.05 kg/sq. m)

Gloss (typical value)

60 degrees specular: approximately 5-16

International Specifications

ASTM F1913, ISO 10581, Type I
Meets requirements for product thickness, wear layer thickness, size, squareness, residual indentation, resistance to chemicals and resistance to light and heat.

Static Load Limit

750 lbs./sq. in. (52.73 kg/cm²)
ASTM F970

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
Flame Spread Rating – 15
Smoke Developed Classification – 90
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 of dust, solvents, varnish, paint, wax, oil, grease, residual adhesive, adhesive removers, permanent markers and other foreign materials that might affect the adhesion of resilient flooring or cause a discoloration of the flooring from below.

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.

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 internal relative humidity (ASTM F 2170) tests must be conducted in strict accordance with the most current edition of the ASTM test method. Following are Armstrong Flooring's maximum allowable moisture limits:

When using S-599 ChoiceStrong™ Adhesive, moisture test results shall not exceed a MVER of 5.0 lbs. /1000 sq. ft. /24 hours per ASTM F 1869 and/or 90% RH per ASTM F 2170.

When using S-543 Adhesive, moisture test results shall not exceed a MVER of 5.0 lbs. /1000 sq. ft. /24 hours per ASTM F 1869 and/or 90% RH per ASTM F 2170.

When using Flip® Spray Adhesive, moisture test results shall not exceed 95% RH per ASTM F 2170.

When using S-240 Epoxy Adhesive, moisture test results shall not exceed a MVER of 8.0 lbs. /1000 sq. ft. /24 hours per ASTM F 1869 and/or 90% 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 homogeneous sheet flooring are 5 to 9 when using S-599 and/or S-240 and 5 to 11 when using S-543 or Flip Spray Adhesive.

Bond Tests 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 when using S-599, S-543 and Flip Spray Adhesive. When using S-240, the temperature shall be maintained at a minimum of 65° F (18° C) and a maximum of 85° F (29° 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 for 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.

Procedure

Medintech and Medintone must be installed full spread using Armstrong S-599 ChoiceStrong™ Adhesive, S-543 High Moisture Adhesive or Flip Spray Adhesive with the option to use S-580 Adhesive in flash cove areas. Seams must be heat welded or sealed with Armstrong S-761 Seam Adhesive. In areas with heavy concentrated static or dynamic loads, it may be necessary to install with S-240 High Performance Epoxy Flooring Adhesive or Flip Spray Adhesive.

Detailed installation instructions can be found at ArmstrongFlooring.com/commercial.

MAINTENANCE

Medintech and Medintone homogeneous sheet flooring with Diamond 10® Technology coating is manufactured with a high performance, hydrophobic, urethane finish that provides outstanding scratch and scuff resistance, improved maintenance characteristics and maintenance options for the end-user. Where applicable, the hydrophobic properties require the one-time use of sodium hydroxide-containing floor strippers to ensure wet out and adequate adhesion of field-applied acrylic floor polishes/finishes. To promote wet out of disinfectant cleaners, scrub the floor with Armstrong S-485 Commercial Floor Cleaner prior to the first application of disinfectant cleaner or strip the floor with floor strippers that contain sodium hydroxide to activate the surface.

Initial Maintenance Immediately After Installation

- Sweep, dust mop or vacuum the floor thoroughly to remove all loose dust, dirt, grit and debris.
- Remove any dried adhesive residue with a clean, white cloth dampened with mineral spirits, carefully following warnings on the container.
- Damp mop the floor with a properly diluted neutral (pH 6 to 8) detergent solution such as Armstrong S-485 Commercial Floor Cleaner. Do not wet mop, wash or scrub the floor for at least five days after installation. This is to prevent excess moisture from interfering with the adhesive bond.

Before applying polish, it will be necessary to first scrub the floor with a properly diluted neutral cleaner using a floor machine fitted with an appropriate scrubbing brush (aggressiveness equivalent to 3M™ red pad).

Preparation for Commercial Use and On-going Maintenance

For important and detailed maintenance information on polish application, the use of disinfectant cleaners and on-going maintenance recommendation, refer to the ColorArt Medintech and Medintone Flooring Maintenance Recommendations and Options, FP7440F9511, or contact Armstrong Flooring at 1 888 276 7876.

WARRANTIES

Limited Warranty

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

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Materials Credit

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For true color representation, order product samples before specifying.

ColorArt® Medintone™
H5311 natural white, H5332 grayed blue