HOMOGENEOUS SHEET FLOORING

COLORART™

Medintech® Medintone™
Homogeneous Sheet Flooring
Product Structure

Diamond10™ 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

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.

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.

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.
Maintenance Made Easy

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® 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.
ColorArt™ Medintone™ Homogeneous Sheet

Medintone™ sheet flooring offers a complete spectrum of soft tonal neutrals and bright pops of color perfect to orient visitors and create engaging learning environments. The colors are designed to match other interior finishes to complete the look of the space. Medintone elevates the aesthetics of educational and healthcare spaces.
ColorArt™ Medintone™
Homogeneous Sheet

WS126
WP307
H5307 rock dust light

WS123
WP304
H5304 natural gray light

WS127
WP308
H5308 rock dust mid

WS124
WP305
H5305 natural gray

WS148
WP421
H5421 hazel

WS125
WP306
H5306 natural gray dark

WS128
WP310
H5310 rock brown

WS122
WP303
H5303 almost black

WS144
WP403
H5403 brown umbra

WS147
WP420
H5420 little black book
ColorArt™ Medintone™
Homogeneous Sheet

- WS119 WP300
  - H5300 cool white

- WS120 WP301
  - H5301 gray light

- WS121 WP302
  - H5302 deep gray

- WS137 WP328
  - H5328 grayed blue light

- WS140 WP351
  - H5350 indigo mid

- WS139 WP350
  - H5351 indigo

- WS141 WP358
  - H5358 soft green light

- WS138 WP329
  - H5329 grayed blue mid

- WS142 WP362
  - H5362 refresh green mid

- WS165 WP532
  - H5332 grayed blue
ColorArt™ Medintone™
Homogeneous Sheet

WS156
WP429

H5429 orchid mist

WS164
WP438

H5438 light aubergine

WS155
WP428

H5428 hydrangea

WS158
WP432

H5432 regatta

WS145
WP406

H5406 ocean blue

WS162
WP436

H5436 maize yellow

WS163
WP437

H5437 gold leaf

WS159
WP433

H5433 blue lagoon

WS157
WP431

H5431 mosaic blue
ColorArt™ Medintone™
Homogeneous Sheet
ColorArt™ Medintone™
H5311 natural white, H5532 grayed blue
The soft palette of Medintech® sheet flooring creates a home-like feel for comforting and healing environments. These colors can stand alone or coordinate nicely with our Medintone® sheet flooring. With more than 30 years of performance in sterile and aseptic environments, Medintech is a perfect fit for medical and healthcare spaces.

ColorArt™ Medintech® Homogeneous Sheet

WS106
WP410

84810 color fleck

WS116
WP880

84880 dahlia sky

WS113
WP760

84760 ixia

WS109
WP620

84620 chateau gray

WS104
WP320

84320 pumice stone

WS112
WP680

84680 salt ‘n pepper

WS115
WP860

84860 campanula buff

WS114
WP850

84850 freesia pearl

WS103
WP197

84197 silver gray

WS1109
WP860

84680 salt ‘n pepper
Healthcare: Conveying a Higher Quality of Care

Healthcare entities create facilities that are clean, comfortable and safe — and use design in a way that contributes to patient healing and staff well-being. ColorArt® Medintech® and Medintone® products offer a soft palette of colors that allow designers to create settings with a warmer, more home-like ambiance that can help to alleviate anxiety and promote healing. At the same time, the lasting beauty of the floor helps to convey the institution’s commitment to a high quality of care.

Durable homogenous flooring offers practical advantages, including gouge and abrasion resistance and a surface that offers ergonomic benefits, making it easy to push, pull and roll heavy equipment or furniture. Both Medintech and Medintone are backed by years of trusted performance in sterile aseptic areas.
Education: Engaging and Efficient Spaces for Learning

Given the pace of change and tighter budgets, today’s educational institutions use space efficiently and flexibly. Schools require durable, easy-to-clean flooring that can stand up to the soil, scuffs and scratches that come with a high volume of students moving through corridors, classrooms and auditoriums. At the same time, schools want to create learning spaces that are engaging and inspiring, healthy and safe. ColorArt™ Medintone™ offers vibrant bright colors to help create engaging learning environments with a performance profile that meets all the functional and indoor environmental low-VOC criteria.

An Extra Measure of Safety

Safety Zone™ Sheet can be combined with ColorArt Medintech™ and Medintone sheet flooring to support safety in healthcare and educational environments, especially elevators, interior ramped corridors, entryways and foyers. Safety Zone Sheet is available in a select color palette that coordinates beautifully with ColorArt homogeneous sheet products, allowing designers and building owners to integrate safety flooring without compromising the design intent of the space.
Closing the Loop on Sustainability

ColorArt™ Medintech® and Medintone™ are made from the highest quality materials and contain no Ortho-Phthalates or heavy metals. 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.

On&On™ Sustainability for Life™
Armstrong Flooring is committed to sustainable built environments in all that we do, by providing sustainable product attributes that contribute to credits for Green Building Rating Systems such as the Collaborative for High Performance Schools® (CHPS®), WELL Building Standard®, Leadership in Energy and Environmental Design (LEED®), and Green Globes®. Our floors also meet the requirements for the California Building Code (CALGreen®) and the International Green Construction Code (IgCC). Our durable ColorArt Medintech and Medintone flooring is tested and third-party certified to comply with the California Department of Public Health (CDPH) Standard Method for VOC Emissions (2010).

Responsible Manufacturing
Our flooring products follow responsible manufacturing practices implementing and using processes that are both socially and environmentally responsible, including deliberate raw materials and product testing and selection for the highest quality products. Consistent with guidelines for creating sustainable interiors, ColorArt Medintech and Medintone are low-emitting products that contain no Ortho-Phthalates or heavy metals and can be installed using a selection of high-moisture FloorScore® certified low and zero VOC adhesives.

On&On™ Floor Recycling Program
ColorArt Medintech and Medintone can be recycled through the On&On™ Floor Recycling Program on a case-by-case basis. To learn more, visit ArmstrongFlooring.com/reclaim.

Light Reflectance
High light reflective floor products can optimize daylighting, and daylight can be used to optimize energy-reduction strategies. Higher reflectance values permit more light from either artificial or natural sources to bounce off the floor, thus enabling designers to produce an effective illuminated environment with fewer watts and fewer luminaires. The Illumination Engineering Society of North America recommends that interior workspaces should have high reflectance to increase inter-reflection. ColorArt Medintech and Medintone flooring have more than 40 colors with a surface reflectivity of >25% to meet EQ Credit (LEED® v4) – Interior Lighting – Lighting Quality – Option 2.

EPD and APD
Armstrong Flooring provides transparent and quantifiable environmental data on our flooring products through our Environmental Product Declarations and Armstrong Flooring Product Declarations. We provide this valued information to make transparency simple. Our Environmental Product Declarations (EPD) contribute to the MR Credit (LEED® v4), Building Disclosure and Optimization. Our Armstrong Flooring Product Declarations (APD) MR Credit (LEED® v4) Building Disclosure and Optimization – Material Ingredients – Option 1 and Material Ingredient Reporting – Material Ingredient Optimization – Option 2. To learn more about our products, their content, and environmental impacts, visit: ArmstrongFlooring.com/transparency.

With the DesignVisualizer from Armstrong Flooring, you can create unlimited flooring designs by placing our commercial flooring into more than 20 on-trend floor patterns. Bring your creations to life by rendering them into room scenes. Then, download the files to share with clients for immediate feedback.

DesignVisualizer – innovation for your creation.
www.ArmstrongFlooring.com/designvisualizer
Problem-free Installation

ColorArt™ Medintech® and Medintone™ sheet flooring installs quickly with no special tools or techniques required and is easy to heat weld and flash cove for spaces that demand a seamless surface for infection control.

As a finishing touch, Armstrong Flooring offers a selection of solid and patterned weld rod colors to coordinate or contrast with the floor to fulfill your design intent. Patterned weld rods are color matched to our flooring selections and add design dimension to any installation.
COLORART® Homogeneous Sheet
Adhesives and Installation

**Flip® Spray Adhesive**
- **High-Moisture: 93% RH**
  - High-moisture guarantee
  - Warranted 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 (LVT and Commercial Sheet): 140–170 sq. ft./bottle
- Options: 22 oz. bottle

**S-543 Commercial Sheet Flooring and LVT Adhesive**
- **High-Moisture: 90% RH, 7lbs. MVER for LVT**
  - 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-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-240 Epoxy Adhesive**
- **Epoxy: 90% RH, 8 lbs. MVER**
  - For use with Commercial sheet, Linoleum sheet, VCT and LVT
  - Great 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-599 Vinyl Sheet Adhesive Premium Commercial**
- **High Moisture: 85% 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

### ADHESIVES OPTIONS (DEPENDS ON SUBSTRATE)

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<th>Wood, Concrete</th>
<th>Ceramic, Terrazzo, Marble, Metal</th>
<th>Existing Resilient Floor</th>
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<th>MOISTURE LIMITS</th>
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<td>S-543 High Moisture, S-599 full-spread, S-240 in heavy static and dynamic load areas, S-580 in flash cove areas, Flip®</td>
<td>Recess scribe; heat weld or seal seams with S-761 Seam Adhesive. Heat weld when S-240 or Flip® is used</td>
<td><strong>S-543 Epoxy Adhesive</strong></td>
<td>90% – Flip®</td>
<td>S-5-9; S-543 or Flip®</td>
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HOMOGENEOUS SHEET
COLORART® Medintech®, Medintone™

Material
An untreated, nonlayered, homogeneous sheet vinyl flooring. Protected by a UV-cured, high performance, 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) solid (0.060 in. (1.6 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 spines such as golf or track shoes will be used.

NOTE: Concentrated static and dynamic loads such as hospital beds, roll-out bidets, portable X-ray machines, etc. may visibly damage resilient or other 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 floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.
- Where pointed spines such as golf or track shoes will be used.

Unsuitable for Application Over
- Concrete, terrazzo and other dry, structurally sound monolithic floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.

- Radiant-heated subfloors with a maximum surface temperature of 85˚ F (29˚ C).

- Most metal floors and most existing single-layer resilient floors on approved underlayments.

- Concrete, terrazzo and other dry, structurally sound monolithic floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.

- Where pointed spines such as golf or track shoes will be used.

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

Floor Tests
- ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watt/m² or more, Class I
- ASTM F 692 Smoke Chamber Specific Optical Smoke Density – 450 or less
- CAN/ULC S102.2 Flame Spread Rating – 15
- Smoke Developed Classification – 90

Environmental Suitability
- Meets requirements for product thickness, wear layer thickness, size, squareness, residual indentation, resistance to chemicals and resistance to cleaning agents and light.

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 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 Adhesive, S-543 High Moisture Adhesive or Flip Spray Adhesive with the option to use S-560 Adhesive in flash-in-cover 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 Adhesive or Flip Spray Adhesive.

- Set the concrete slab as they could bleed through, telegraphing up through 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 F 1869) and 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 Adhesive, moisture test results shall not exceed a MVER of 5.0 lbs./1000 sq. ft./24 hours per ASTM F 1869 and/or 85% 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 90% 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.

Warranties
- After installation, concrete floors should also be tested by a lab following procedures in ASTM F 710. When testing for flip, 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.

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 floorexpert.com. This limited warranty extends only to the original end-user. See Armstrong Flooring Commercial Floor Limited Warranty at floorexpert.com for warranty details, limitations and exclusions.

- Sweep, dust mop or vacuum the floor thoroughly to remove all loose 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.

Maintenance
- Sweep, dust mop or vacuum the floor thoroughly to remove all loose 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.

- Clean 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.

- 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 85% RH per ASTM F 2170.
- When using S-599 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 90% 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 by a lab following procedures in ASTM F 710. When testing for flip, 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 and temperature.