

## LUXURY FLOORING

## Coalesce™

### Product Information

**Construction** - Solid Vinyl Tile (Luxury Vinyl Tile / LVT)

**International Specifications** - ASTM F 1700, Class III, Type B embossed surface

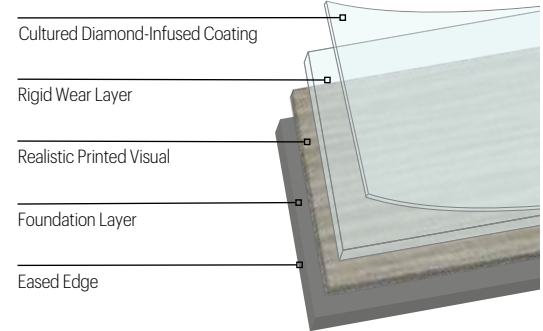
**Overall Thickness** - 0.100 in. (2.5 mm)

**Wear Layer Thickness** - 0.020 in. (0.5 mm)

**Factory Finish** - Diamond 10® Technology

**Installation** - Adhesives: S-995, S-319 Roll Strong™, S-1000

**Maintenance Options** - No Polish - No Buff, Polish Optional



### Packaging

| Size                              | Pieces per Carton/Coverage            | Shipping Weight per Carton |
|-----------------------------------|---------------------------------------|----------------------------|
| 6 in. x 36 in. (152 mm x 914 mm)  | 24 / (36 sq. ft.) 3.35 m <sup>2</sup> | 39 lbs. (17.73 kg)         |
| 18 in. x 18 in. (457 mm x 457 mm) | 16 / (36 sq. ft.) 3.34 m <sup>2</sup> | 39 lbs. (17.73 kg)         |
| 18 in. x 36 in. (457 mm x 914 mm) | 12 / (54 sq. ft.) 5.02 m <sup>2</sup> | 55.80 lbs. (25.31 kg)      |

### Testing

| ASTM F1700                          |   |  |  |
|-------------------------------------|---|--|--|
| Performance                         | Test Method   | Requirement  | Performance vs. Requirement  |
| Thickness                           | ASTM F386   | Nominal ± 0.005 in.  | Meets  |
| Wear Layer Thickness                | ASTM F410   | 0.020 in. (0.5 mm) minimum for Commercial Use  | Meets  |
| Size                                | ASTM F2421/F2055  | ± 0.016 in. per linear foot  | Meets  |
| Squareness                          | ASTM F2421/F2055  | 0.010 in. maximum  | Meets  |
| Residual Indentation                | ASTM F1914  | Average less than 8%   | Meets  |
| Chemical Resistance                 | ASTM F925   | No more than slight change in surface dulling, attack or staining  | Meets  |
| Resistance to Heat                  | ASTM F1514  | ΔE < 8 avg., max   | Meets  |
| Resistance to Light                 | ASTM F1515  | ΔE < 8 avg., max   | Meets  |
| Additional Testing                  |   |  |  |
| Static Load Resistance              | ASTM F970*  | ≤ 0.005 in.  | 2000 psi   |
| Fire Test Data – Flame Spread       | ASTM E648   | 0.45 W/cm <sup>2</sup> or more Class 1   | Meets  |
| Fire Test Data – Smoke Evolution    | ASTM E662   | 450 or less  | Meets  |
| Fire Test Data – Canada             | CAN/ULC S-102.2   | Use dependent  | Flame Spread - 5   Smoke Developed - 75  |
| ADA Standards for Accessible Design | Chapter 3, Section 302.1                                    | Floor surfaces shall be stable, firm and slip resistant  | Meets  |
| Dimensional Stability               | Internal  | ≤ 0.018 in. per linear ft. MD<br>≤ 0.012 in. per lin. ft. AMD  | Meets  |
| Static Coefficient of Friction**    | ASTM D2047/UL 410   | ≥ 0.5  | Meets  |
| Acoustics                           | ASTM E492 (IIC)<br>ASTM E90 (STC)<br>ASTM E2179 (DELTA IIC) | International Building Code (IIC ≥50)<br>International Building Code (STC ≥50)<br>Sound Transmission Reduction | 6 in. concrete, no ceiling with S-1840<br>Quiet Comfort Luxury Flooring Underlayment<br>IIC - 53<br>STC - 51<br>Delta IIC - 22 |

### Sustainability

#### WELL v1 Feature

|             |   |
|-------------|---|
| <b>Air</b>  | Feature 04 - VOC Reduction                    |
|             | Feature 11 - Fundamental Material Safety      |
|             | Feature 25 - Toxic Material Reduction         |
| <b>Mind</b> | Feature 97 - Material Transparency            |
|             | Feature 88 (Part 2) Biophilia I - Qualitative |
|             | Feature 99 - Beauty and Design II             |

#### Coalesce

|   |
|---|
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |

#### Contribution

|   |
|---|
| Tested and third party certified by FloorScore® as complying with CDPH v1.2 |
| Product is free of asbestos and added lead (Part 1)                         |
| Free of flame retardants (Part 2) and phthalates (Part 3)                   |
| Readily available Health Product Declaration® (HPD) to 1000 ppm             |
| Products available that incorporate nature patterns                         |
| Patterns and colors to aid in wayfinding and spatial familiarity (Part 3)   |

#### WELL v2 Feature

|                  |   |
|------------------|---|
| <b>Air</b>       | Feature X12 - Short Term Emission Control               |
|                  | Feature X11 Long-Term Emission Control                  |
|                  | Feature X01 Fundamental Material Precautions            |
|                  | Feature X10 Volatile Organic Compound                   |
| <b>Materials</b> | Feature X14 Material Transparency                       |
|                  | Feature M02 Access to Nature                            |
| <b>Mind</b>      | Feature C13 (Part 2) Accessibility and Universal Design |

#### Coalesce

|   |
|---|
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |

#### Contribution

|  |
|--|
| Adhesives associated with product are tested and third party certified by FloorScore as complying with CDPH v1.2 |
| Flooring is tested and third party certified by FloorScore as complying with CDPH v1.2                           |
| Product is free of asbestos  |
| Free of flame retardants (Part 2) and phthalates (Part 3)  |
| Readily available Health Product Declaration (HPD) to 1000 ppm   |
| Products available that incorporate nature patterns  |
| Patterns and colors to aid in wayfinding and spatial familiarity   |

#### LEED™ v4.1

|                                    |
|------------------------------------|
| BPDO - EPD                         |
| BPDO - Material Ingredient         |
| BPDO - Sourcing                    |
| Location of Manufacturer           |
| Low Emitting Flooring              |
| Low Emitting Adhesives             |
| SCAQMD #1168 Compliant.            |
| Adhesives meet <50 g/L requirement |

#### Coalesce

|   |
|---|
| Product Specific  |
| HPD   |
| 29% pre-consumer recycled content   |
| USA   |
| Tested and third party certified by FloorScore as complying with CDPH v1.2  |
| Tested and compliant to CDPH v1.2; Methylene Chloride and Perchloroethylene not intentionally added; FloorScore Certified |
| S-319 Roll Strong – 0 g/L   |
| S-995 – 0 g/L   |
| S-1000 – 0.1 g/L  |

#### Carbon Footprint

|  |
|--|
| Global Warming Potential, excluding Biogenic Carbon Raw Materials (A1) through Production (A3) |
|--|

#### Coalesce

|  |
|--|
| 0.64 Kg CO <sup>2</sup> eq. / square foot    |
| (6.88 Kg CO <sup>2</sup> eq. / square meter) |

### Limited Warranty

20-year Commercial Warranty when installed in strict accordance with the detailed instructions.

### Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com)

for complete Product, Technical, Adhesives, Installation & Maintenance recommendations.

#### F10532C-222

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\*Testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance. \*\*Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value.

