

## BioSpec Armor®

Classification  ASTM FIRS Sheet vinyl Floor Covering without Backing  Olor 1254 mm Cauref Elite*  Watch Laye  Width 69° 7c m)  Colors 24  Packaging 30 - 58 yff 1251 - 485 m² (58 yf roll is approx 80 /neal feet)  (cackaging may differ for QuickElite*)  Weight 75 lbstyl* (1.588 kg/m²)  Adheave 87 lbstyl* (1.588 kg/m²)  Adheave 175 lbsty	Style	BioSpec Armor
Total Thicknes  ### Oxforce  ##	Construction	Homogeneous Sheet (Non-ortho phthalate construction)
Wort Laye Width 69°C Pm ) Colors 24  Pattorn Report 8 Rondom report, reverse sheet for sooming Packaging 30-58 w(f.251-48.5 m) (8.97 cm) is approx. 80 //neaf feet) (cabacigning width 79 lose/w(f.25.88 sm) (8.97 cm) is approx. 80 //neaf feet) (cabacigning width 79 lose/w(f.25.88 sm) (8.97 cm) is approx. 80 //neaf feet) (cabacigning width 60 cm) is approx. 80 //neaf feet) (cabacigning width 60 cm) is approx. 80 //neaf feet) (cabacigning width 61 cm) is a	Classification	ASTM F1913 Sheet Vinyl Floor Covering without Backing
Width Octors 24 Pattern Repeat Pockaging 24 Pattern Repeat Pockaging 30 - 89 yd' (25 - 48 5 m') (59 yd' mils approx. 80 linear feet) (pockaging may differ for QuickStix*) Weight 79 lawy'er (38 58 ydm') Adheeive Portuge Standard	Total Thickness	0.100" (2.54 mm)
Colors Pattern Report Packaging Sometime State of Section (1982) o	Wear Layer	Quantum Guard Elite®
Rotten Repect  Rondom repect, reverse sheet for seaming Peckedging  30 - Sby tt <sup>2</sup> E.3 - 4.8 5m / 195 xp of 15 apprax. 80 linear feet) (pockaging may differ for QuickStix*)  Weight  Adhesive  Percus & Non-portus Substrates:  Veil Full Sprend, 3-port Stown  Weight (Annual Stown)  Adhesive  Percus & Non-portus Substrates:  Veil Full Sprend, 3-port Sprow  Motitureta or Jul Sprend, 5-port Sprow  Motitureta or Jul Sprow  Motitureta or Ju	Width	6′6″ (2 m)
Seem Method  Metry (ASTM F197)  Method	Colors	24
(gockoping may differ for QuickStix*)  Adhesive	Pattern Repeat	Random repeat, reverse sheet for seaming
Weight Adhesive Porous & No-Porous Substrates: V-88 Full Spread, 2-port Epoxy Moisturus Co. Uniform Component XpressStep for LVT & Sheet Vinif Full Coverage Spray Note Must use V-96 Moisturus Co. V-96 Mo	Packaging	30 - 58 yd² (25.1 - 48.5 m²) (58 yd² roll is approx. 80 lineal feet)
Adhesive Porous & Non-porous Substrates:  V-88 Full Spread  V-98 Full Spread  V-96 Full Spread, One-Component  Noresisting for LVT & Sheet Winy Full Coverage Spray  Network Meditar use V-95 Measure.c. QuickStix or knessiste adhesive under stationary heavy point loads in more abusive conditions such as areas subject to draiging flores, effect surnight or whee topical mointure would be a consern, only V-95 Measure.c. QuickStix*  QuickStix*  Available with QuickStix* pre-applied adhesive, reducing time and labor required to install the flooring, QuickStix* floors can be used immediately after installation, even in extreme moisture areas.  Mannington Commercial Well Rods or NCS-24 Chemical Spane with V9T-96 Application Kit. Mannington Seam Coater Pen for high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas. Note Heat welding is the recommended procedure for healthcare. Note of the Note of Note Heat welding is the recommended procedure for healthcare. Note of Note Heat welding is the recommended procedure for healthcare. Note of Note Heat welding is the recommended procedure for healthcare. Note Heat welding is the recommended procedure for healthcare. Note Heat welding is the recommended procedure for healthcare. Note Heat welding is the recommended procedure. Note Heat		(packaging may differ for QuickStix®)
V-88 Full Spread 2-part Epoxy MoistureLoc Full Spread, 2-part Epoxy MoistureLoc Full Spread, 2-part Epoxy MoistureLoc Full Spread, 0-ne-Component XpressStep for LVT & Sheet Viny Full Coverage Spray Nate Must us vi 58, Misitures, Cupletists or ApressStep adhesive under stationary heavy point loads in more abusive conditions such as a roses subject to dragging force, directs varight or where topical moisture would be a censerum, only vi68, Misistures or QuickStix* Available with QuickStix* pre-applied adhesive, reducing time and labor required to install the flooring, QuickStix* of horizons on the used immediately after installation, even in extreme moisture areas.  Beam Method Mannington Commercial Well Rods or MCS-42 Chemical Seam Sealer with VST-96 Application Kit. Mannington Seam Coater Pen for high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic areas in Note Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/FHA  Meets / Exceeds ADAG (American Disability Act Guidelines) Posses = 11/2* Mandrel - No Crack/Break  Brabiality (ASTM F37) Posses = 11/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM F970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM E970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM E970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM E970) Posses = 14/2* Mandrel - No Crack/Break  Static Load (ASTM E970) Posses = 14/2* Mandrel - No Crack/Break  Posses - No More Than Stight Change  Environmental Data  Indian Posses - Ro	Weight	7.9 lbs/yd² (3.583 kg/m²)
West / Exceeds ADAG (American Disability Act Guidelines) Passes - 1/2" Mandrel - No Crock/Break State Load (ASTM F37) Molish MF90) State Load (ASTM F30) Molish MF90) Molish MF90	Adhesive	Porous & Non-porous Substrates:
MoistureLoc Full Spread, One-Component XpresStep for LVT & Sheet Vinyl Full Coverage Spray Note Must use V & MoistureLoc QuickStix or XpresStep a dhealve under stationary heavy point loads. In more abusive conditions such as ence subject to dragging force direct surlight or where topical moisture would be a concern, only V-56, MoistureLoc QuickStix* Available with QuickStix* pre-applied adhesive, reducing time and albor required to install the flooring, QuickStix* floors can be used immediately after installation, even in extreme moisture areas.  Mannington Commercial Weld Rods or MCS-42 Chemical Seam Sealer with VST-96 Application Kit. Mannington Sam Coaster Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/FHA  Moets / Exceeds  ADAG (American Disability Act Guidelines) Passes - 102? Mandrel - No Crack/Break  ADAG (American Disability Act Guidelines) Passes - 102? Mandrel - No Crack/Break  Static Load (ASTM F970) Passes - Residual Indent of 0.005°  Static Load (ASTM F970) Passes - Residual Indent of 0.005°  Static Load (ASTM F970) Passes - Residual Indent of 0.005°  Static Load (ASTM F970) Passes - Nous the o.007° Passes - A Static Moisture (Castm Castm Castma)  Acoustic IT (ASTM EBG2) Passes - A Static Moisture (ASTM EBG2) Passes - A Static Moisture (ASTM EBG2) Passes - Nous the order of the order order of the order of the order or		V-88 Full Spread
ApressStep for LVT & Sheet Vinif Full Coverage Spray  Note Must us V-95, MoistureLoc, QuickStix or XpressStep and heavy point loads in more abusive conditions such as areas subject to dragging force, direct surlight or where topical moisture would be a concern, only V-95, MoistureLoc or QuickStix*  Available with QuickStix* pre-applied adhesive, reducing time and labor required to install the flooring, QuickStix*  floors con be used immediately after installation, even in extreme moisture areas.  Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/FHA  Meets / Exceeds  ADAG (American Disability Act Guidelines)  Passes  Passes  Flexibility (ASTM F37)  Passes - 11/2* Mandrel - No Crack/Break  Static Load (ASTM F970)  Passes - 11/2* Mandrel - No Crack/Break  Static Load (ASTM F970)  Passes - Residual Indent to 0.005*  Static Load (ASTM F970)  Passes - Residual Indent to 0.005*  Static Load (ASTM F970)  Passes - Residual Indent to 0.005*  Robins Resistance (Caster Chair (ISO 4918)  Short Term Residual Indentation (ASTM F1914/F1303)  Passes - Must be < 0.007*  Passes - Must be < 0.007*  Passes - Closs 1; 2 -045 wotts/cm²  Passes - 450  Passes - 8 - 8 Delta E Color Change  Resistance to Light (ASTM F915)  Passes - No More Than Slight Change  Resistance to MidMidder (ASTM G1742)  Passes - 10 Elet Color Change  Environmental Data  Indoor Air Quality  FloorScore Certified, CDPH v12-2017  Product Declarations  Gorbon Offset  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Motor Inargamency information  Solem, NJ (USA) - ISO HOO! EMS & ISO SOI QMS Registered, - Valetage Vinyl Verfied Sliver		V-95 Full Spread, 2-part Epoxy
Note Must use V-85, Mostburto, C. QuickStix or XpressStep adhesive under stationery heavy point loads, in more abusive conditions such as areas subject to dragging force direct sunlight or where topical moisture would be a concern, only V-95, Moisture. Loc or QuickStix should be used.  Acailable with QuickStix* pre-applied adhesive, reducing time and labor required to install the flooring, QuickStix* floors can be used immediately after installation, even in extreme moisture areas.  Mannington Commercial Weld Rods or MCS-42 Chemical Seam Sealer with VST-95 Application Kit. Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/PHA  Meets / Exceeds  ADAG (American Disability Act Guidelines)  Passes - 112* Mandrel - No Crack/Break  Brischility (ASTM F187)  Passes - Residual Indents 0,005*  Static Load (ASTM F970 and)  Passes - Residual Indents 0,005*  Rolling Resistance/Caster Chair (ISO 4918)  Static Load (ASTM F970 and)  Passes - Must be < 0,007*  Passes - 4,000 Cycles, No Significant Change  Passes - 4,000 Cycles, No Significant Change  Passes - 4,000 Posses - 4,0		MoistureLoc Full Spread, One-Component
as areas subject to dragging force, direct sunlight or where topical moisture would be a concern, only V-85, MoistureLoc or QuickStix should be used.  Available with QuickStix® pre-applied adhesive, reducing time and labor required to install the flooring, QuickStix® floors can be used immediately after installation, even in extreme moisture areas.  Mannington Saarm Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  Weets / Exceeds  AbAGA (American Disability Act Guidelines)  Passes Flexibility (ASTM F137)  Passes - 11/2" Mandrel - No Crack/Break Static Load (ASTM F970) mod.)  Static Load (ASTM F970) mod.)  Static Load (ASTM F970 mod.)  Passes - Residual Indents 0.005"  Static Load (ASTM F1870)  Passes - Nesidual Indents 0.005"  Passes - Nesidual Indents 0.005"  Static Load (ASTM F1870)  Passes - Nust be < 0.007"  Passes - Village		XpressStep for LVT & Sheet Vinyl Full Coverage Spray
should be used.  Available with QuickStix* pre-applied adhesive, reducing time and labor required to install the flooring, QuickStix* floors can be used immediately after installation, even in extreme moisture areas.  Mannington Commercial Weld Rods or MCS-42 Chemical Seam Sealer with VST-96 Application Kit. Mannington Courter Pen for high traffic areas. Note Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/FHA  Meets / Exceeds  Passes  HUD/FHA  ADAG (American Disability Act Guidelines)  Flexibility (ASTM F137)  Passes - 11/2* Mandrel - No Crack/Break  Static Load (ASTM F970)  Passes - 3,000 PSI; Feasibul Indents 10,005*  Static Load (ASTM F970)  Passes - 3,000 PSI; Feasibul Indents 10,005*  Static Load (ASTM F970)  Passes - 3,000 PSI; Feasibul Indents 10,005*  Static Load (ASTM F970)  Passes - 3,000 PSI; Feasibul Indents 10,005*  Static Load (ASTM F970)  Passes - 3,000 PSI; Feasibul Indents 10,005*  Static Load (ASTM F970)  Passes - 3,000 PSI; Feasibul Indents 10,005*  Static Load (ASTM F970)  Passes - Must be 1,0007*  Passes - No Statis (Passes)  Passes - S o S Leather; 0 & Rubber  Acoustic ID (ASTM E862)  Passes - S o S Leather; 0 & Rubber  Acoustic ID (ASTM E80)  Sign Resistance to Light (ASTM F975)  Passes - No More Than Slight Change  Resistance to Mald (Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor AI (Quality  Product Declarations  Carbon Offset  Data (Carbon Offse		Note: Must use V-95, MoistureLoc, QuickStix or XpressStep adhesive under stationary heavy point loads. In more abusive conditions such
QuickStix® floors can be used immediately after installation, even in extreme moisture areas.  Seam Method Mannington Commercial Wold Rods or MCS-42 Chemical Seam Sealer with VST-96 Application Kit. Mannington Commercial Wold Rods or MCS-42 Chemical Seam Sealer with VST-96 Application Kit. Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/FHA Meets / Exceeds  PADAG (American Disability Act Guidelines) Passes Flexibility (ASTM F137) Passes - Residual Indents - No Crack/Break Static Load (ASTM F970) Static Load (ASTM F970) Passes - Residual Indents - 0.005° Static Load (ASTM F970 mod.) Passes - Residual Indents - 0.005° Static Load (ASTM F970 mod.) Passes - So.000 Psj. Residual Indents - 0.005° Static Load (ASTM F970 mod.) Passes - So.000 Psj. Residual Indents - 0.005° Static Load (ASTM F970 mod.) Passes - So.000 Expl. No Significant Change Short Term Residual Indentation (ASTM F194/F1903) Passes - What Be 4 - 0.007° Plooring Radiant Panel (ASTM E648) Passes - 450 Sign Resistance (ASTM C1028, Dry) Passes - 450 Sign Resistance (ASTM C1028, Dry) Passes - 450 Sign Resistance (ASTM C1028, Dry) Passes - 450 Resistance to Heat (ASTM E648) Passes - 8 Delta E Color Change Resistance to Heat (ASTM F951) Passes - 8 Delta E Color Change Resistance to Heat (ASTM F1514) Passes - 8 Delta E Color Change Resistance to Heat (ASTM F1514) Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality FloorScore Certified; CDPH v1:2-2017 Product Declarations  Environmental Data  Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Row Materials Building Product Disclosure & Optimization - Sourcing Row Materials Building Product Disclosure & Optimization - Sourcing Row Materials Building Product Disclosure & Optimization - Sourcing Row Materials Building Product Disclosure & Optimization - Sourcing Row Materials Bu		
Floors can be used immediately after installation, even in extreme moisture areas   Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.   Testing	0 1 101 0	
Mannington Commercial Weld Rads or MCS-42 Chemical Seam Sealer with VST-96 Application Kit Monnington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.    Mets / Exceeds	QuickStix®	
Mannington Seam Coater Pen for high traffic areas. Note: Heat welding is the recommended procedure for healthcare and high traffic applications.  Testing  HUD/FHA  Meets / Exceeds  Passes  Flexibility (ASTM Fi37)  Passes = 11/2" Mandrel - No Crack/Break  Static Load (ASTM F970)  Passes - Residual Indemt = 0.005"  Static Load (ASTM F970)  Passes - Residual Indemt = 0.005"  Static Load (ASTM F970 mod.)  Rolling Resistance/Caster Chair (ISO 4918)  Short Term Residual Indentation (ASTM F1914/F1303)  Posses - Nos Spinificant Change  Short Term Residual Indentation (ASTM F1914/F1303)  Posses - Aust be < 0.007"  Floring Radian Panel (ASTM E648)  Passes - 2 (35 1); 2 0.45 watts/cm²  Smake Density (ASTM E662)  Passes - 3.05 Leather; 0.6 Rubber  Acoustic IIC (ASTM E90)  Acoustic IIC (ASTM E90)  Acoustic IIC (ASTM E90)  Acoustic STC (ASTM E90)  Acoustic STC (ASTM E90)  Acoustic STC (ASTM E90)  Acoustic STC (ASTM F1515)  Passes - 8 Delta E Color Change  Chemical Resistance (ASTM F1514)  Passes - 8 Delta E Color Change  Resistance to Heat (ASTM F1514)  Passes - 8 Delta E Color Change  Resistance to Heat (ASTM F1514)  Passes - 8 Delta E Color Change  Resistance to Hold/Mildew (ASTM G2/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  Product Declarations  Eph, IPD  Carbon Offset  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Material Ingredients, IEQc2 - Low Emitting Materials  Building Product Disclosure & Optimization - Material Ingredients, IEQc2 - Low Emitting Materials  Building Product Disclosure & Optimization - Material Ingredients, IEQc2 - Low Emitting Materials  Fight Assume Andread Product Disclosure & Optimization - Material Ingredients, IEQ		
Testing    Meets / Exceeds	Seam Method	-
HUD/FHA ADAG (American Disability Act Guidelines) Passes Flexibility (ASTM F137) Passes - Residual Indent s 0.005* Static Load (ASTM F970) Passes - Residual Indent s 0.005* Static Load (ASTM F970) Passes - Residual Indent s 0.005* Static Load (ASTM F970) Passes - 3,000 Psi; Residual Indent s 0.005* Static Load (ASTM F970 mod.) Passes - 3,000 Psi; Residual Indent s 0.005* Static Load (ASTM F970 mod.) Passes - 3,000 Psi; Residual Indent s 0.005* Static Load (ASTM F970 mod.) Passes - 3,000 Psi; Residual Indent s 0.005* Static Load (ASTM F970 mod.) Passes - 3,000 Psi; Residual Indent s 0.005* Short Farm Residual Indentation (ASTM F970 mod.) Passes - Must be < 0.007* Flooring Radiant Panel (ASTM E648) Passes - 450 Slip Resistance (ASTM C1028, Dry) Passes - 450 Slip Resistance (ASTM C1028, Dry) Passes - 450 Slip Resistance (ASTM E492) Spasses - 450 Slip Resistance to Light (ASTM F1514) Passes - 450 Resistance to Light (ASTM F1515) Passes - 8 Delta E Color Change Chemical Resistance (ASTM F925) Passes - 8 Delta E Color Change Resistance to Heat (ASTM F1514) Passes - 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change  Environmental Data Indoor Air Quality FloorScore Certified; CDPH v12-2017 Product Declarations PPD, HPD Oarbon Offset Undoor Air Quality Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients, IEQC2 - Low Emitting Materials Wisit mM Origin website, mindfulmaterials origin build, for current transparency information Manufacturing  The Action of the Action		
HUD/FHA ADAG (American Disability Act Guidelines) Passes Plexibility (ASTM F197) Passes - 11/2" Mandrel - No Crack/Break Passes Plexibility (ASTM F970 mod.) Passes - Residual Indent's 0.005" Static Load (ASTM F970 mod.) Passes - Residual Indent's 0.005" Static Load (ASTM F970 mod.) Passes - Residual Indent's 0.005" Static Load (ASTM F970 mod.) Passes - Residual Indent's 0.005" Passes - S.000 PSI; Residual Indent's 0.005" Passes - Wast be < 0.007" Plooring Radiant Panel (ASTM E648) Passes - Class 1; © 0.45 watts/cm² Smoke Density (ASTM E662) Passes - Class 1; © 0.45 watts/cm² Smoke Density (ASTM E662) Passes - Closs 1; © 0.45 watts/cm² Smoke Density (ASTM E649) Passes - Closes 1; © 0.45 watts/cm² Passes - Closes 1; © 0.45 watts/cm² Smoke Density (ASTM E649) Passes - Closes 1; © 0.45 watts/cm² Passes - Closes 1;	Testing	for nealthcare and high traffic applications.
ADAG (American Disability Act Guidelines) Passes Flexibility (ASTM F137) Passes - 11/2" Mandrel - No Crack/Break Static Load (ASTM F970) Passes - Residual Indent s 0.005" Static Load (ASTM F970 mod.) Rolling Resistance/Caster Chair (ISO 4918) Short Term Residual Indentation (ASTM F1914/F1303) Passes - 3,000 PS); Residual Indent < 0.005" Rolling Resistance/Caster Chair (ISO 4918) Short Term Residual Indentation (ASTM F1914/F1303) Passes - Must be < 0.007" Plooring Radiant Panel (ASTM E648) Passes - Class 1; 2 0.45 watts/cm² Passes - Class 1; 2 0.45 watts/cm² Passes - 4.50 Siblip Resistance (ASTM C1028, Dry) Passes - * 4.50 Passes - * 4.50 Passes - * 2.5 Leather; 0.6 Rubber Acoustic IIC (ASTM E492) S2 - 6" Concrete with Drop Ceiling Resistance to Light (ASTM F1515) Passes - * 8. Delta E Color Change Chemical Resistance (ASTM F1514) Passes - * 8. Delta E Color Change Resistance to Heat (ASTM F1514) Passes - * 8. Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change Environmental Data Indoor Air Quality Product Declarations Carbon Offset Dissistance to Gate (A1-A3); 791kg CO2e/yd²) LEED May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		Mark / Francis
Flexibility (ASTM F137) Passes - 11/2" Mandrel - No Crack/Break Static Load (ASTM F970) Passes - Residual Indents 0.005" Static Load (ASTM F970 mod.) Passes - 3,000 PSI; Residual Indents 0.005" Rolling Resistance/Caster Chair (ISO 4918) Short Term Residual Indentation (ASTM F1914/F1303) Posses - Must be < 0.007" Flooring Radiant Panel (ASTM E648) Passes - Class 1; ≥ 0.45 watts/cm² Smoke Density (ASTM E662) Slip Resistance (ASTM C1028, Dry) Passes - 2.0 S. Leather; 0.6 Rubber Acoustic IC (ASTM E492) S2 - 6" Concrete with Drop Ceiling Resistance to Light (ASTM F1515) Passes - 8 Delta E Color Change Chemical Resistance (ASTM F1514) Resistance to Mold/Mildew (ASTM F1514) Passes - 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) FloorScore Certified; CDPH v12-2017 Product Declarations Carbon Offset LEED May contribute to LEED credits: Building Product Disclosure & Optimization - Material Ingredients; IEQe2 - Low Emitting Materials Building Product Disclosure & Optimization - Material Ingredients; IEQe2 - Low Emitting Materials Manufacturing Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Static Load (ASTM F970) Passes - Residual Indent < 0.005" Static Load (ASTM F970 mod.) Passes - 3,000 PSI; Residual Indent < 0.005" Rolling Resistance/Caster Chair (ISO 4918) Short Term Residual Indentation (ASTM F1914/F1303) Passes - Must be < 0.007" Flooring Radiant Panel (ASTM E648) Passes - Class 1; 2 0.45 watts/cm² Smoke Density (ASTM E662) Passes - 2 0.5 Leather; 0.6 Rubber Acoustic IIC (ASTM E492) Acoustic IIC (ASTM E492) Acoustic IIC (ASTM E90) Acoustic IIC (ASTM F90) Acoustic IIC (ASTM F90) Acoustic IIC (ASTM F915) Passes - 4 8 Delta E Color Change Chemical Resistance (ASTM F925) Passes - 8 Delta E Color Change Resistance to Heat (ASTM F1514) Passes - 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change Resistance to Mold/Mildew (ASTM G21/E2180) Php Product Declarations Product Declarations Php HPD Carbon Offset Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Visit mM Origin website, mindfulmaterials origin.build, for current transparency information Manufacturing Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	•	
Passes - 3,000 PSi; Residual Indent < 0.005"  Rolling Resistance/Caster Chair (ISO 4918)  25,000 Cycles, No Significant Change  Short Term Residual Indentation (ASTM F1914/F1303)  Passes - Must be < 0.007"  Plooring Radiant Panel (ASTM E648)  Passes - Class 1; ≥ 0.45 watts/cm²  Smoke Density (ASTM E662)  Passes - 2 0.5 Leather; 0.6 Rubber  Acoustic ISC (ASTM E002)  Resistance (ASTM C1028, Dry)  Acoustic ISC (ASTM E90)  Resistance to Light (ASTM F1515)  Passes - 4 8 Delta E Color Change  Chemical Resistance (ASTM F925)  Passes - 8 Delta E Color Change  Chemical Resistance (ASTM F925)  Passes - 8 Delta E Color Change  Resistance to Heat (ASTM F1514)  Passes - 8 Delta E Color Change  Passes - No More Than Slight Change  Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  FloorScore Certified; CDPH v1.2-2017  Product Declarations  Carbon Offset  105% (Cradle to Gate (A1-A3); 791kg CO2e/yd²)  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Manufacturing  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	-	
Rolling Resistance/Caster Chair (ISO 4918)  Short Ferm Residual Indentation (ASTM F1914/F1303)  Passes - Must be < 0.007"  Flooring Radiant Panel (ASTM E648)  Passes - Lass 1; 2 0.45 watts/cm²  Smoke Density (ASTM E662)  Slip Resistance (ASTM C1028, Dry)  Passes - 2 0.5 Leather; 0.6 Rubber  Acoustic IIC (ASTM E492)  Acoustic STC (ASTM E90)  Chemical Resistance (ASTM F1515)  Passes - 8 Delta E Color Change  Chemical Resistance (ASTM F925)  Resistance to Light (ASTM F514)  Passes - 8 Delta E Color Change  Passes - No More Than Slight Change  Resistance to Mold/Mildew (ASTM 621/E2180)  Passes - No More Than Slight Change  Finding Resistance to Mold/Mildew (ASTM 621/E2180)  Finding Resistance to Mold/Mildew (ASTM 621/E2180)  Finding Resistance to Gate (A1-A3); 791kg CO2e/yd²)  May contribute to LEED credits:  Building Product Disclosure & Optimization - Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Manufacturing  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Short Term Residual Indentation (ASTM F1914/F1303) Passes - Must be < 0.007" Flooring Radiant Panel (ASTM E648) Passes - Sat Size 0.45 watts/cm² Smoke Density (ASTM E662) Slip Resistance (ASTM C1028, Dry) Acoustic IIC (ASTM E492) Acoustic IIC (ASTM E492) Acoustic STC (ASTM E90) Flooring Radiant Panel (ASTM F1515) Acoustic STC (ASTM E90) Flooring Resistance to Light (ASTM F1515) Passes - 8 Delta E Color Change Chemical Resistance (ASTM F925) Passes - No More Than Slight Change Resistance to Heat (ASTM F1514) Passes - 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change  Environmental Data Indoor Air Quality FloorScore Certified; CDPH v12-2017 Product Declarations EPD, HPD Carbon Offset 105% (Cradle to Gate (A1-A3); 791kg CO2e/yd²) May contribute to LEED credits: Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Manufacturing Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, + Vantage Vinyl Verified Silver		
Flooring Radiant Panel (ASTM E684)  Passes - Class 1; ≥ 0.45 watts/cm²  Smoke Density (ASTM E662)  Passes - ≤ 450  Slip Resistance (ASTM C1028, Dry)  Passes - ≥ 0.5 Leather; 0.6 Rubber  Acoustic IIC (ASTM E90)  61 - 6" Concrete with Drop Ceiling  Acoustic STC (ASTM F190)  Resistance to Light (ASTM F1515)  Passes - < 8 Delta E Color Change  Chemical Resistance (ASTM F925)  Passes - < 8 Delta E Color Change  Resistance to Heat (ASTM F1514)  Passes - < 8 Delta E Color Change  Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  FloorScore Certified; CDPH v1.2-2017  Product Declarations  EPD, HPD  Carbon Offset  105% (Cradle to Gate (A1-A3); 791kg CO2e/yd²)  May contribute to LEED credits:  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  mindful MATERIALS  Manufacturing  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	-	
Smoke Density (ASTM E662)  Passes - \$ 450  Slip Resistance (ASTM C1028, Dry)  Passes - \$ 0.5 Leather; 0.6 Rubber  Acoustic IIC (ASTM E492)  52 - 6" Concrete with Drop Ceiling  Acoustic STC (ASTM E90)  Resistance to Light (ASTM F1515)  Passes - \$ 8 Delta E Color Change  Chemical Resistance (ASTM F925)  Passes - No More Than Slight Change  Resistance to Heat (ASTM F1514)  Passes - \$ 8 Delta E Color Change  Passes - No More Than Slight Change  Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  FloorScore Certified; CDPH v1.2-2017  PPD  Carbon Offset  105% (Cradle to Gate (A1-A3); 791kg C02e/yd²)  May contribute to LEED credits:  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Manufacturing  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Slip Resistance (ASTM C1028, Dry)  Acoustic IIC (ASTM E492)  Acoustic STC (ASTM E90)  Acoustic StC (As As); Acou	•	•
Acoustic IIC (ASTM E492)  Acoustic STC (ASTM E90)  61 - 6" Concrete with Drop Ceiling  Resistance to Light (ASTM F1515)  Passes - < 8 Delta E Color Change  Chemical Resistance (ASTM F925)  Passes - < 8 Delta E Color Change  Resistance to Heat (ASTM F1514)  Passes - < 8 Delta E Color Change  Resistance to Heat (ASTM F1514)  Passes - < 8 Delta E Color Change  Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  Product Declarations  Carbon Offset  105% (Cradle to Gate (A1-A3); 791kg CO2e/yd²)  May contribute to LEED credits:  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Wisit mM Origin website, mindfulmaterials.origin build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Acoustic STC (ASTM E90)  Resistance to Light (ASTM F1515)  Passes - < 8 Delta E Color Change Chemical Resistance (ASTM F925)  Passes - No More Than Slight Change Resistance to Heat (ASTM F1514)  Passes - < 8 Delta E Color Change Resistance to Heat (ASTM F1514)  Passes - No More Than Slight Change Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  FloorScore Certified; CDPH v1.2-2017  Product Declarations  EPD, HPD  Carbon Offset  105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)  LEED  May contribute to LEED credits:  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Visit mM Origin website, mindfulmaterials, origin.build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		•
Resistance to Light (ASTM F1515) Passes - < 8 Delta E Color Change Chemical Resistance (ASTM F925) Passes - No More Than Slight Change Resistance to Heat (ASTM F1514) Passes - < 8 Delta E Color Change Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change  Environmental Data  FloorScore Certified; CDPH v1.2-2017 Product Declarations EPD, HPD Carbon Offset 105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²) LEED May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Chemical Resistance (ASTM F925)  Resistance to Heat (ASTM F1514)  Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Passes - No More Than Slight Change  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  FloorScore Certified; CDPH v1.2-2017  Product Declarations  EPD, HPD  Carbon Offset  105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)  LEED  May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Resistance to Heat (ASTM F1514) Resistance to Mold/Mildew (ASTM G21/E2180) Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality FloorScore Certified; CDPH v1.2-2017 Product Declarations EPD, HPD Carbon Offset 105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)  LEED May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	•	· ·
Resistance to Mold/Mildew (ASTM G21/E2180)  Passes - No More Than Slight Change  Environmental Data  Indoor Air Quality  Product Declarations  EPD, HPD  Carbon Offset  105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)  LEED  May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Indoor Air Quality Product Declarations EPD, HPD Carbon Offset 105% (Cradle to Gate (A1-A3); 791kg CO2e/yd²)  May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	Resistance to Mold/Mildew (ASTM G21/E2180)	
Indoor Air Quality Product Declarations EPD, HPD Carbon Offset 105% (Cradle to Gate (A1-A3); 791kg CO2e/yd²)  May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		
Product Declarations  EPD, HPD  Carbon Offset  105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)  May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	Environmental Data	
Carbon Offset  105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)  May contribute to LEED credits:  Building Product Disclosure & Optimization - EPDs  Building Product Disclosure & Optimization - Sourcing Raw Materials  Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Manufacturing  Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	Indoor Air Quality	FloorScore Certified; CDPH v1.2-2017
May contribute to LEED credits: Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials Wisit mM Origin website, mindfulmaterials.origin.build, for current transparency information Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	Product Declarations	EPD, HPD
Building Product Disclosure & Optimization - EPDs Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  Materials Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	Carbon Offset	105% (Cradle to Gate (A1-A3); 7.91kg CO2e/yd²)
Building Product Disclosure & Optimization - Sourcing Raw Materials Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  mindful MATERIALS Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Manufacturing Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver	LEED	May contribute to LEED credits:
Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials  mindful MATERIALS  Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information  Manufacturing  Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		Building Product Disclosure & Optimization - EPDs
mindful MATERIALS         Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information           Manufacturing         Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		Building Product Disclosure & Optimization - Sourcing Raw Materials
Manufacturing Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver		Building Product Disclosure & Optimization - Material Ingredients; IEQc2 - Low Emitting Materials
	mindful MATERIALS	Visit mM Origin website, mindfulmaterials.origin.build, for current transparency information
Warranty	Manufacturing	Salem, NJ (USA) - ISO 14001 EMS & ISO 9001 QMS Registered, +Vantage Vinyl Verified Silver
	Warranty	

Limited 15-Year Commercial Warranty

Limited 15-Year Quantum Guard Elite® Wear Warranty