



Section	Agenda item
CONSENT	6.5

Meeting Date: August 27, 2025

TOWN OF MORAGA

STAFF REPORT

To: Honorable Mayor and Councilmembers

From: Mackenzie Brady, Parks and Recreation Director

**Subject: Approval of Contract with sofSURFACES Inc. for All Access
Playground Surfacing Replacement at Moraga Commons Park**

RECOMMENDATION

Adopt a Resolution authorizing the Town Manager to execute a contract with sofSURFACES Inc. for the purchase and installation of interlocking playground surfacing at the All Access Playground in an amount not to exceed \$215,187.

BACKGROUND

The All Access Playground at Moraga Commons Park was constructed in 2016 and completed in 2017 as a community-built project, bringing together Town staff, contractors, volunteers, service clubs, and families in a coordinated effort to create an inclusive, accessible play space.

The playground features poured-in-place rubber surfacing, which has now exceeded its expected useful life. After eight years of heavy use and weather exposure, the surface has significantly deteriorated, making spot repairs difficult and less effective. The current condition no longer reliably meets safety and accessibility standards, prompting the need for full replacement.

This project is identified in the Town's FY 2025-26 and FY 2026-27 Capital Improvement Program (CIP 25-303) and aligns with Town Council Goal #3 to maintain and improve public infrastructure, especially accessible recreational spaces.

DISCUSSION

All Access Playground Surfacing Replacement (CIP 25-303)

The proposed project involves the complete removal of the existing rubber surfacing and installation of a new DuraSAFE Premium Series interlocking tile system by sofSURFACES Inc. The system meets fall height safety requirements, complies with the

Americans with Disabilities Act (ADA), and includes a limited lifetime warranty, with expectations for the product to last 20 years without maintenance. It is engineered for long-term durability in public park environments.

Removal of the existing playground surface will be performed on October 4, 2025, as part of Community Service Day, with participation from Saint Mary's College student athletes and local residents. This project continues the spirit of the original playground build, which was a grassroots effort marked by strong community involvement. This replacement effort similarly invites the community to support the playground's longevity and accessibility.

Informal Bidding

In accordance with the California Uniform Public Construction Cost Accounting Act (CUPCCAA), staff conducted an informal bid process for the All Access Playground Surfacing Replacement Project, as the estimated construction cost falls below the \$220,000 threshold for informal bidding.

Staff recommends awarding the contract to sofSURFACES Inc. as the lowest responsive bidder. SofSURFACES Inc. proposed an interlocking tile surfacing system meeting the Town's specifications, including ADA compliance, 8-foot fall protection (ASTM F1292), and high durability suitable for public park use. The base bid amount submitted was \$215,186.91, which includes all materials and installation, as well as oversight for the volunteer removal day.

FISCAL IMPACT

The project is fully funded in the FY 2025-26 and FY 2026-27 Capital Improvement Program (CIP 25-303). No additional appropriation is required at this time.

CIP 25-303 is full funded by the following funding sources:

- **\$125,000** from Fund 750 – Asset Replacement
- **\$105,000** from Fund 250 – Park Dedication Fees (Quimby Act)

CEQA COMPLIANCE

This project is not subject to environmental review under the California Environmental Quality Act (CEQA) pursuant to Public Resources Code Section 21000, et seq. and the CEQA Guidelines (14 Cal. Code Regs. 15000 et. seq.) as this project is categorically exempt pursuant to 14 Cal. Code Regs. 15301 (Class 1-Existing Facilities) and 15304 (Minor Alterations to Land).

ALTERNATIVES

1. Adopt the attached resolution with modifications; or
2. Not adopt the attached resolution and provide direction to staff.

NEXT STEPS

Upon adoption of the Resolution, staff will finalize the contract with sofSURFACES Inc. Installation is scheduled for Fall 2025, with volunteer-led removal planned for Community Service Day on October 4, 2025.

ATTACHMENTS

- A. DRAFT Resolution
- B. sofSURFACES Informal Bid (August 15, 2025)

Attachment A

Draft Resolution

**TOWN OF MORAGA
TOWN COUNCIL**

RESOLUTION NO. xx-2025

**A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF MORAGA
AUTHORIZING THE TOWN MANAGER TO EXECUTE A CONTRACT WITH
SOFSURFACES INC. FOR THE ALL ACCESS PLAYGROUND SURFACING
REPLACEMENT AT MORAGA COMMONS PARK**

WHEREAS, the All Access Playground at Moraga Commons Park was constructed in 2016-2017 through a community-led effort to provide an inclusive and accessible play space for children of all abilities;

WHEREAS, the poured-in-place rubber surfacing currently in place has exceeded its useful life after eight years of service and now fails to meet established safety and accessibility standards;

WHEREAS, the Town of Moraga has identified the surfacing replacement project (CIP 25-303) in its FY 2025-26 and FY 2026-27 Capital Improvement Program, in alignment with Town Council Goal #3 to maintain and improve public infrastructure, especially accessible recreational spaces;

WHEREAS, the Town conducted an informal bid process pursuant to the California Uniform Public Construction Cost Accounting Act (CUPCCAA) and the Town's Purchasing Policy;

WHEREAS, sofSURFACES Inc. submitted the lowest responsive and responsible bid in the amount of \$215,186.91 for the supply and installation of DuraSAFE Premium Series interlocking tile surfacing, which meets safety and accessibility standards and includes a limited lifetime warranty;

WHEREAS, the project includes use of volunteer labor for the demolition and removal of the existing surfacing on October 4, 2025, during Community Service Day, with support from Saint Mary's College student-athletes and local residents; and

WHEREAS, the project is fully funded through the Capital Improvement Program for a total of \$230,000 using \$125,000 from Fund 750 – Asset Replacement and \$105,000 from Fund 250 – Park Dedication Fees, with no General Fund dollars required.

NOW THEREFORE, BE IT RESOLVED THAT THE TOWN COUNCIL OF THE TOWN OF MORAGA HEREBY:

1. The Town Manager is hereby authorized to execute a contract with sofSURFACES Inc. for the purchase and installation of interlocking playground surfacing at the All

Access Playground at Moraga Commons Park in an amount not to exceed \$215,187.

2. The Town Manager or their designee is authorized to take all actions necessary and proper to implement this resolution, including minor contract amendments that may be approved by the Town Manager or Town Attorney.

Attachment B

Bid Proposal



4393 Discovery Line
Petrolia, ON N0N 1R0

T 800.263.2363
F 519.882.2697

www.sofsurfaces.com

August 15, 2025

Mackenzie Brady
Parks and Recreation Director
mbrady@moraga.ca.us
925-888-7034
2100 Donald Dr.
Moraga, CA
94556

Good afternoon Mackenzie,

We appreciate the opportunity to submit our proposal for removal and replacement of playground surfacing at the All Access Playground in Moraga Commons Park.

sofSURFACES has been manufacturing and installing playground safety surfaces worldwide for over 30 years. To this day, it has been our goal to deliver the best value long term playground safety surface. Playground surfacing can generally be evaluated by three primary considerations:

#1 Fall Height Safety (ASTM1292)

DuraSAFE rubber tile will perform below the maximums of the fall height standard for the **lifetime of the playground (15 years)**. SofSURFACES is able to extend this guarantee because we manufacture a tile that performs far lower than the maximum 1000 HIC and 200 G limits of the ASTM 1292 standard. DuraSAFE will perform nearly 50% better than the standard at time of installation.

#2 Durability

Almost all playground activity takes place in swings, slides and spinner areas. Selecting a surface that is designed to receive significant abuse in these areas will ensure ease of ownership to Town of Moraga. DuraSAFE rubber tiles are manufactured in a controlled environment whereby we can achieve an extremely tough wear layer coupled with unique fall height safety. Please see our YouTube videos on durability.

#3 Maintenance

DuraSAFE rubber tiles have zero maintenance associated with the product and it's performance. Our industry leading warranty requires zero maintenance.

Insurance documentation will be provided upon award.

If there are any additional questions or considerations, please do not hesitate to reach out to us.

We look forward to partnering with the Town of Moraga on this volunteer assisted project.



Sincerely
Brennan Prins
b.prins@sofsurfaces.com / Cell: 810-986-8141

Bid Proposal Form

TOWN OF MORAGA

INFORMAL BID PROPOSAL FORM

All Access Playground Surfacing Replacement (CIP 25-303)

Contractor Name: SoftSurfaces USA Inc.

DIR Registration #: 1000062451

License #: 1049873

Total Lump Sum Bid (materials, installation, labor, and all costs):
\$ 25,186.91

Completion Time After Notice to Proceed: 18 Calendar Days

Signature:  Date: Aug 15, 2025

Printed Name: Brennan Prins Title: Director

Phone: 810-986-8141 Email: b.prins@softsurfaces.com

Quotation

15-Aug-2025

Quote No.: Q115645-4-TP



Attn: Mackenzie Brady
Customer: Parks and Recreation -
Address: 2100 Donald Dr.
City/State: Moraga, CA 94556

Project: Moraga Commons Park
Phone: 925-888-7034
Fax:
E-mail: mbrady@moraga.ca.us

Project Contact:
Phone / Fax:

Contact SSI:
800.263.2363 / Fax 519.882.2697

Area No. 1 of 1 - Moraga Commons Park

Installation Site: Moraga Commons Park
Address: 1425 St Marys Rd
City / State: Moraga, CA 94556

Ship To: Moraga Commons Park
Address: 1425 St Marys Rd
City / State: Moraga, CA 94556

Quote Type: DuraSAFE Installed, Direct Buried
Sub Base Type: Compacted Granular
Area (Sq. Ft.): 5652

Unit	Qty.	Color	Description	Thickness	Drop Ht.	Weight	List Price	Total Weight	Total List	Unit Cost
Each	603	Aquamarine	DuraSAFE "Premium"	4.25"	8' 0"	35.31	\$76.00	21291.93	\$45,828.00	\$51.68
Each	380	Forest Green	DuraSAFE "Premium"	4.25"	8' 0"	35.31	\$76.00	13417.80	\$28,880.00	\$51.68
Each	492	Smoke	DuraSAFE "Premium"	4.25"	8' 0"	35.31	\$76.00	17372.52	\$37,392.00	\$51.68
Each	410		Adhesive - Tile to Tile (tube) (Black)			1.65	\$12.00	676.50	\$4,920.00	\$12.00
Each	5		Bostik Greenfusion Adhesive - Tile to Base			56.80	\$255.00	284.00	\$1,275.00	\$255.00
Each	41		Polyurethane Foam Sealant			1.17	\$17.00	47.97	\$697.00	\$17.00
Area	6500		Rubber Sheetting			0.45	\$0.44	2925.00	\$2,860.00	\$0.44

Installation

Prevailing Wage / Fair Wage - \$70.06

• Tearout

- Labour
- Miscellaneous - Included

Break up of existing PIP and disposal - volunteer assisted
SSI crew to complete break up of PIP by October 4.2025.

• Site Preparation

- Labour
- 1 in. Compacted Fines - Material - Included
- 4 in. Granular A - Material - Included
- Water Access - Included

• Installation

- Labour
- Rubber Sheeting Installation - Included
- Curvy or Rounded Perimeter Cutting Charge - Included
- Cutting Around Special Features - Included
- Equipment Rental - Bobcat - Included
- Waste Bucket - Included
- Accessibility - Included
- Travel - Mobilization - Included
- Security - Included

Installation to be completed by non-union subcontractor sofSURFACES USA.

Fencing section to be removed for accessibility & reinstalled upon completion.

Security fencing at gate entrance only.

• Extra Scope

- Sod Remediation

IMPORTANT

This quotation has been priced based on the following realities:

1. At any point during the installation process, sofSURFACES Installation crews, or certified installation crews acting on behalf of sofSURFACES will have complete and uninterrupted access to the site until the construction phase of the project has been completed.

2. sofSURFACES will not be responsible for damages incurred to grounds throughout the installation process (this includes: concrete, grading, grass, gardens and/or plants, flowers etc.). It is understood by both parties that heavy equipment may be required in order to efficiently complete the project or gain access to the site.

3. sofSURFACES will not be held responsible for any ground repair needed and will make every effort to ensure that any property damage to the grounds is kept to a minimum throughout the duration of the project.

(Quoted value is subject to change upon notice of any ancillary costs. Additional costs may include [but are not limited to] required entry fees, special training, certifications, background checks and security clearances not previously identified as required or if the installation needs to be completed during weekend hours, within a very narrow window of time or under restricted special circumstances). A \$1,200/day fee will be charged for each day that our installers are on site after the agreed upon start date if the site is not ready for the installation to begin. A site features form, required photos request, completed dimensions verification form and elevation form request will be sent out for completion after the order is placed. These forms must be completed in full and returned no later than 4 business days prior to the scheduled installation start date otherwise the installation may be rescheduled to a later date at the discretion of the Installation Project Manager until said forms have been completed.

*****PLEASE NOTE: Should the sub base for your project be Compacted Granular, it MUST meet the following specification: (Type 1) 3/4 minus) compacted to 95% S.P.D. Not "clear" gravel.*****

Undersigned for Parks and Recreation - Town of Moraga accepts the terms and conditions which apply to this quotation.

X

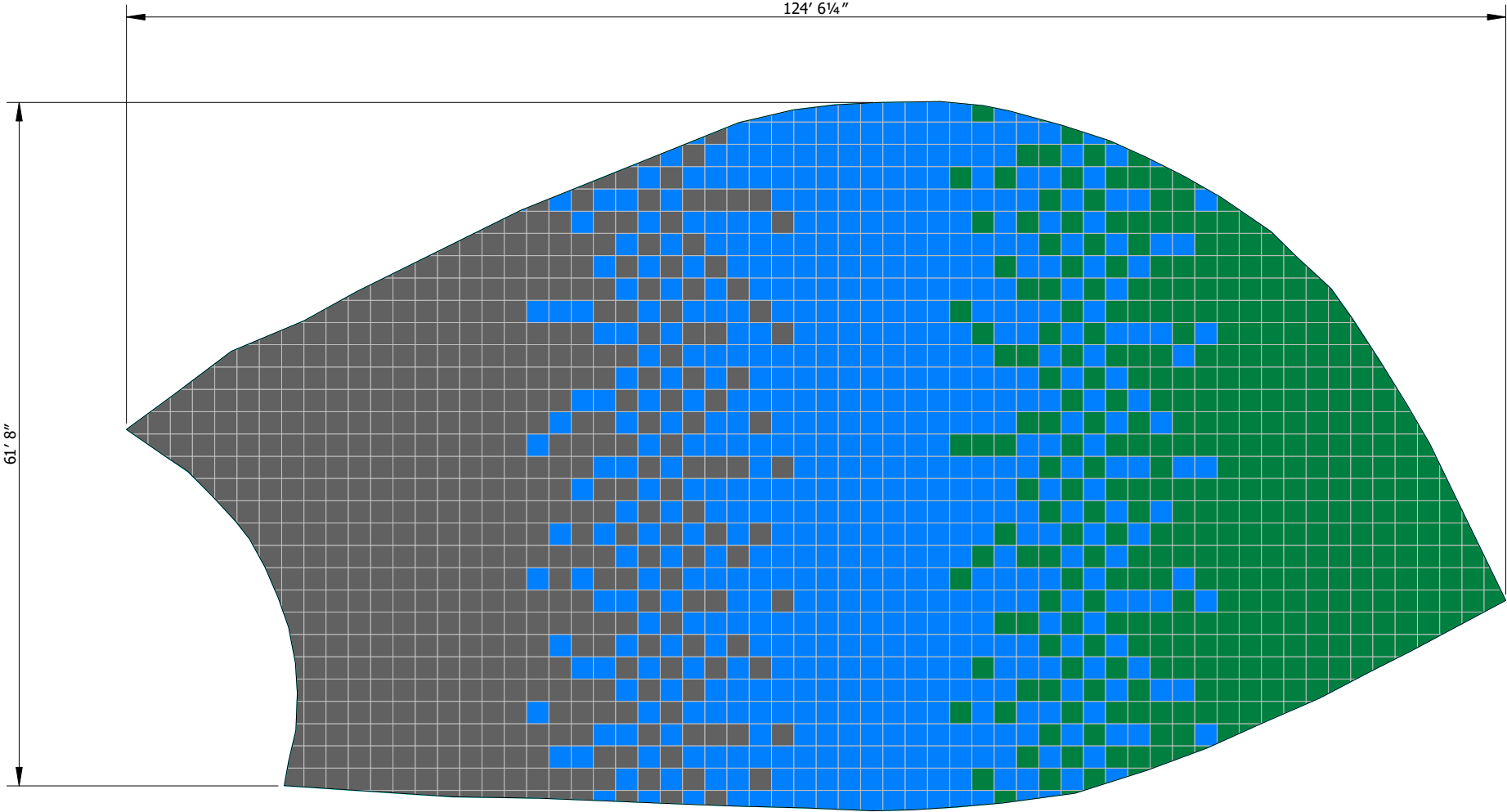
SIGNED

Mackenzie Brady

DATE

Tile Layout - Area N° 1 - Moraga Commons Park

Area (Sq. Ft.): 5652



X _____ The material quantities proposed are based on this layout. If the layout is altered, this may influence the quantities needed for a successful installation. Please initial that you understand and agree.

Weight: 58311
Peter Druck - Denver, CO

Upon timely completion of the project, sofSURFACES Inc. shall be entitled to, and shall submit a payment request for, the amount indicated herein. In the event that only substantial completion is accomplished (i.e., the site is usable but not completely finished), sofSURFACES Inc. shall be entitled to, and shall submit a payment request for, up to 95% of the amount indicated herein, allowing for the customer to reserve 5% until completion of the project, upon which time sofSURFACES Inc. shall be entitled to, and shall submit a payment request for, the remaining balance owed. Quoted value is subject to change upon notice of additional associated costs. Additional costs may include (but are not limited to) required entry fees, special training, certifications, background checks and security clearances.

The drawings within this quote are based on measurements supplied to sofsSURFACES and are not professional engineered drawings. It is the project manager's responsibility (not sofsSURFACES or its dealer) to provide sofsSURFACES with correct measurements and to ensure that all site specifications and site preparations (including without limitation slopes, ramps, and transition components) are compliant with local building codes, and prepared to sofsSURFACES' requirements.

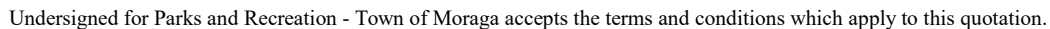
Total (After Third Party Discount):		\$85,980.00
Installation:		\$108,368.17
Shipping and Handling Charge:		\$12,455.68
Sub Total:		\$206,803.85
CA:	6.00%	\$5,158.79
CCONTRACOSTA:	0.25%	\$214.96
DMORAGA:	3.50%	\$3,009.31
Total in USD Funds:		\$215,186.91
Cost per sq.ft.:		\$38.07

*Estimated Monthly Payment,	1 Year Term: Min. Order = \$10,000.00	\$16,098.18 USD
	2 Year Term: Min. Order = \$25,000.00	\$8,534.31 USD
	3 Year Term: Min. Order = \$35,000.00	\$6,081.83 USD

FOR MAILED US PAYMENTS:
Sof Surfaces Inc.
Dept CH 19173
Palatine, IL 60055-9173

FOR COURIERED US PAYMENTS:
Sof Surfaces Inc. - Lockbox 19173
5503 N Cumberland Avenue,
Chicago, IL 60656

FOR CANADIAN PAYMENTS:
Sof Surfaces Inc.
4393 Discovery Line
Petrolia, ON, N0N 1R0



SIGNED

Mackenzie Brady



sofSURFACES
RUBBER TILE SOLUTIONS



4393 Discovery Line, P.O. Box 239
Petrolia, ON N0N 1R0

T 800.263.2363

F 519.882.2697

www.sofsurfaces.com

CUSTOMER REFERENCES

Town of Silt Contact: Trey H. Fonner	Email: Trey@townofsilt.org Phone: (970)-876-2353 x106
San Francisco Unified School District Contact: Simon H. Reyes	Email: reyess@sfusd.edu Phone: 415-241-4311
City of Pittsburgh, PA Contact: Tom Paulin	Email: tom.paulin@pittsburghpa.gov Phone: (412) 255-2594 x236 Multiple sites per year since 2008
City of San Mateo Contact: Alex Kristal	Phone: 650-312-7880 Multiple sites per year since 2013
Davis School District Contact: Dee Rice	Phone: 905-615-3200 Ext 3676
City of Burlingame Contact: Karen Hager	Email: khager@burlingame.org Phone: 650-558-7317
Downy Unified School District Contact: Darren Purseglove	Email: dpurseglove@dusd.net Phone: 562-469-6531
Salem Kaiser School District Contact: Bruce Lathers	Phone: 503-391-1133
City of Rocky Mount Contact: Kelvin Yarrell, CSEE	Email: kelvin.yarrell@rockymountnc.gov Phone: 252-467-4927
City of Rahway, NJ Contact: Mike Smalling	Email: msmallling@cityofrahway.com Phone: 732-904-3898



LIMITED LIFETIME PRODUCT WARRANTY

Effective as of: YR / MO / DAY

Last Revised: April 17, 2018.

sofSURFACES Inc. warrants that duraSAFE® tiles will be free from defects in materials and workmanship. sofSURFACES further warrants that duraSAFE tiles comply with the requirements of the ASTM F1292-13 standard specification for impact attenuation.

What does the warranty cover?

Surface wear due to ordinary abrasion from pedestrian traffic will not penetrate the wear course of the surface. The product will comply with the requirements of ASTM F1292-13 at the height for which the duraSAFE product was rated by the manufacturer at the time of purchase.

What will we do?

Any segment of a duraSAFE surface that fails to meet the warranty criteria will be repaired or replaced, at and in conjunction with the warranty coverage schedule below.

Warranty Coverage

sofSURFACES shall be responsible for 100% of the product cost of the repair or replacement of any product found to be defective or not in compliance with the warranty herein within the first six (6) years following the original shipment of the product.

Where any product is found to be defective or not in compliance with the warranty herein more than six (6) years following the original shipment of the product, sofSURFACES shall be responsible for 50% of the cost of the repair or replacement of such products as follows (and the buyer shall bear and pay the remaining portion of such costs):

# OF YEARS FROM DATE OF ORIGINAL SHIPMENT TO DATE OF CLAIM	% OF CURRENT LIST PRICE OF PRODUCT FOR WHICH SOFSURFACES IS RESPONSIBLE
0-6 years	100%
more than 6 years	50%

Warranty Exclusions

Product failure caused by accidents, misuse, natural disasters, vandalism, improper installation, or maintenance and the like (see installation care and maintenance instructions).

- ▶ Color change caused by exposure to UV and/or normal abrasion from pedestrian traffic
- ▶ Black transfer which can occur over time to recycled rubber
- ▶ Failure due to improper sub-surface preparation
- ▶ Punctures from extreme high forces, such as high heels, narrow tipped chair or table legs, kickstands and pogo sticks
- ▶ Use of the product in a manner not intended for its manufactured application

How to submit a warranty claim

A warranty claim should be made directly to sofSURFACES. Please provide a description of the claimed defect, the date the defect was discovered, photographic images and the project name, site address, phone and email address so we can contact you and request additional information if required to process your claim.

Additional Considerations

sofSURFACES' liability is limited to the material and transportation costs of repair or replacement of the product at sofSurfaces option. Where duraSAFE is installed only in high traffic areas or installed in combination with other surfacing products not sold by sofSURFACES, such duraSAFE are excluded from this warranty.

- ▶ In the event of repair, replacement, or refinishing under this warranty, the warranty applicable to the replacement material or to the repaired

or refinished products will extend only for the time remaining under the original warranty.

- ▶ sofSURFACES reserves the right to discontinue or change any design or color of any products at any time without notice or liability. If, for any reason, products of the type originally purchased are no longer available at the time a warranty claim is made, a suitable replacement of comparable quality and price will be recommended.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Your exclusive remedy for any breach of warranty is as set forth in this warranty. This warranty gives you specific legal rights. You may have other rights which vary from state to state and province to province.



To verify product certification, visit www.ipema.org.



For future reference, please record your sofSURFACES 5-Digit Sales Order Number and Date of Purchase Here.

Sales Order Number: ORD _____

Date of Purchase: YR / MO / DAY



We'd like to hear from you! Comments and photos are always welcome!



INSTALLATION WARRANTY

Effective as of: YR / MO / DAY

Last Revised: April 17, 2018.

sofSURFACES Inc. warrants that duraSAFE® systems installed by certified sofSURFACES installation crews will be free from defects in workmanship. sofSURFACES further warrants that when installed correctly, the surface will meet the ASTM F1292-13 standard for the working life of the surface.

sofSURFACES has led an effort to bring about more advanced and higher performing surfacing systems to the market. A key component of this effort includes installation. sofSURFACES has developed advanced and proprietary installation techniques that are unique to our duraSAFE product. duraSAFE's product warranty revolves around the mandatory use of factory certified installers that are experienced and professionally trained in the use of these techniques. Proper installation is the only way to ensure that your new duraSAFE surface performs as expected for years to come.

The installer of the project is responsible for any issues deemed to be at fault of the installer. Issues such as but not limited to; seam separation, gapping, curling, faulty cuts or missed adhesive.

Our Installation Manual should be reviewed by the end user to confirm all elements have been followed.

Your installation has been completed by:

Company Name

Foreman Name

Mailing Address

Phone Number

Email

Certification Number

Signature

and will warrant the site from installation related defects for:

Duration

I certify that the material and installation of my project has been completed to my satisfaction:

Project Name

Contact Name

Site Installation Address

Phone Number

Email

Signature



To verify product certification, visit www.ipema.org.



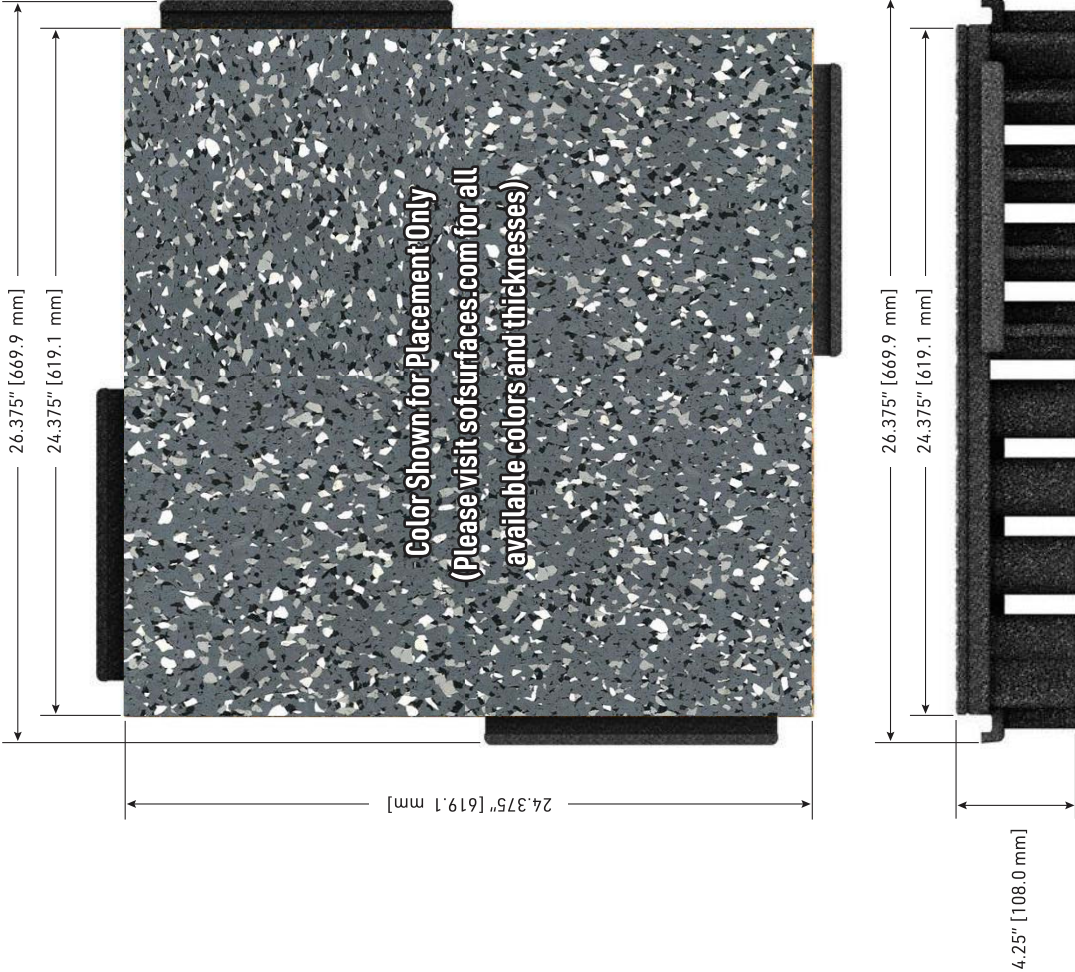
For future reference, please record your sofSURFACES 5-Digit Sales Order Number and Date of Purchase Here.

Sales Order Number: ORD _ _ _ _ _ Date of Purchase: YR / MO / DAY

In order to activate warranty, please scan and submit to warranty@sofsurfaces.com upon completion of installation.



We'd like to hear from you! Comments and photos are always welcome!





Product: Premium 95 Granite
Thickness: 4.25" (108.0 mm)

DURASAFE THICKNESS (in.)	CRITICAL FALL HEIGHT (ft)
2.00" (50.8 mm)	3 Feet (0.91 m)
2.25" (57.2 mm)	4 Feet (1.22 m)
2.75" (69.9 mm)	5 Feet (1.52 m)
3.25" (82.6 mm)	6 Feet (1.83 m)
3.75" (95.3 mm)	7 Feet (2.13 m)
4.25" (108.0 mm)	8 Feet (2.44 m)
4.75" (120.7 mm)	9 Feet (2.74 m)
5.00" (127.0 mm)	10 Feet (3.05 m)
5.25" (133.4 mm)	12 Feet (3.66 m)

Plus Series Mfd. Size: 24.25" x 24.25" (+/- 1/8")
Premium Series Mfd. Size: 24.375" x 24.375" (+/- 1/8")

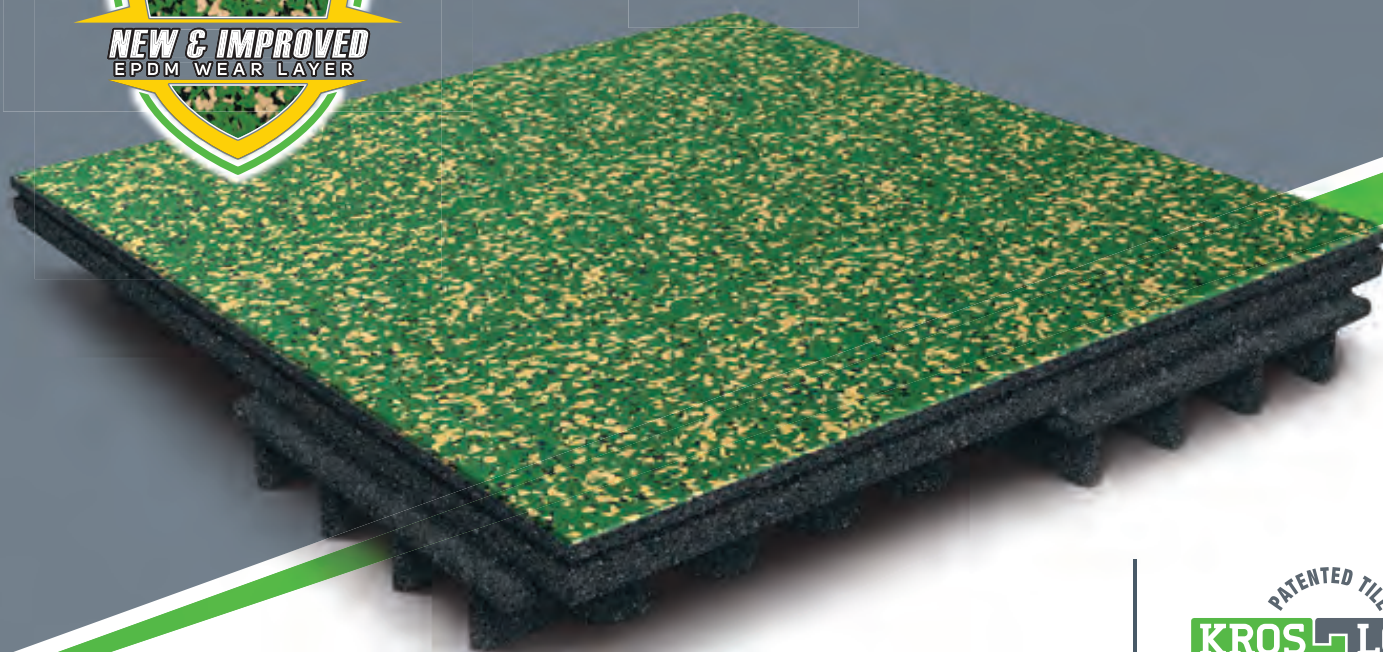
Note: Plus Series and Premium Series Tiles have different manufactured sizes.

		PRODUCT SHOWN duraSAFE 4.25"	SCENARIO DESCRIPTION Playgrounds	DATE CREATED Dec. 2, 2021	PREPARED BY Brad Goss	SCALE N/A	REVISION 1
SERIES Premium95	COLOUR Granite		FILE NAME 2022_DS_4.25_TileDrawing.pdf				



USGBC
MEMBER

- The world's safest playground tile!
- Safety Performance that exceeds the required ASTM standards by nearly 50%.
- Best-In-Industry Lifetime Warranty – including safety standard compliance.
- Unmatched durability with years of maintenance-free performance.



Safe landings. Guaranteed.

Playgrounds are the perfect place for children to make friends, take risks and explore their abilities. Ensure your playground is equipped with duraSAFE® Rubber Playground Tiles so that children of all abilities can play safely. sofSURFACES continues to provide parents and playground operators with peace of mind and comfort in knowing that while their children are on the playground, duraSAFE is there to catch their fall.

For over three decades, sofSURFACES has been innovating and advocating for higher-performing safety surfacing systems that require little to no maintenance. When minor damage or vandalism occurs, duraSAFE tiles are quickly and easily replaced while larger issues are covered by our best-in-industry limited lifetime warranty – which includes fall height protection!



To verify product certification, visit www.ipema.org.

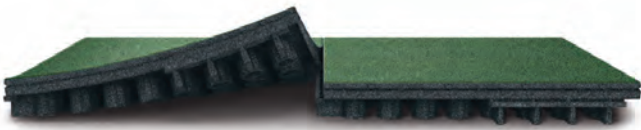


sofSURFACES.com 1 800.263.2363

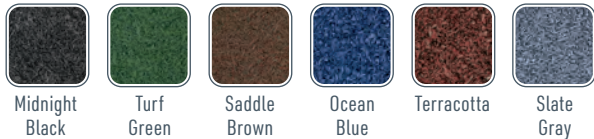
© 2021 sofSURFACES

STANDARD PLUS SERIES SOLID COLORS

Economically manufactured using recycled materials exclusively, duraSAFE Plus Series offers the same durability and safety performance as our Premium Series at a more economical price.

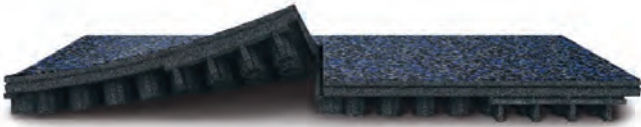


PLUS SERIES



PREMIUM SERIES CUSTOMER FAVORITE COLOR BLENDS

For those desiring more of a creative flare, the Premium Line offers more opportunity for artistic expression through an assortment of aesthetically pleasing premium color blends. Made from 100% recycled SBR rubber backing and topped with a blended wear layer of SBR recycled rubber and EPDM virgin rubber, our Premium Line affords you the best solution for any playground application. Choose from nine customer favorite blends!



PREMIUM 95 SERIES - 5% Black)



Additional colors and custom blends are available.

Please contact a member of our sales team for more information. Additional charges may apply.

1 800.263.2363 or info@sofsurfaces.com.



protecting future generations...

Since 1992, sofSURFACES has been a pioneering voice within the playground industry. It's only fitting that duraSAFE Rubber Playground Tiles have been engineered to comply with safety ratings mandated for vehicle impact safety by the National Highway Traffic Safety Administration. This level of performance far exceeds current required ASTM standards by nearly 50%!

PHYSICAL DIMENSIONS

Installed Size	Available Thicknesses	Weight (lbs.) Ea.		Fall Height	sofRAMP Length
		Plus	Premium		
24" x 24"	duraSAFE 2.00"	24.00	24.50	3 Feet	47.75" / 7.00"
24" x 24"	duraSAFE 2.25"	25.50	25.50	4 Feet	47.75" / 7.00"
24" x 24"	duraSAFE 2.75"	29.00	28.50	5 Feet	47.75" / 7.625"
24" x 24"	duraSAFE 3.25"	30.50	31.50	6 Feet	47.75" / 9.00"
24" x 24"	duraSAFE 3.75"	31.00	33.50	7 Feet	47.75" / 12.00"
24" x 24"	duraSAFE 4.25"	34.50	36.00	8 Feet	47.75" / 12.00"
24" x 24"	duraSAFE 4.75"	37.00	39.00	9 Feet	47.75" / 16.00"
24" x 24"	duraSAFE 5.00"	40.00	39.50	10 Feet	47.75" / 16.00"
24" x 24"	duraSAFE 5.25"	41.00	41.00	11 Feet	47.75" / 16.00"
24" x 24"	duraSAFE 5.25"	41.00	41.00	12 Feet	47.75" / 16.00"

PHYSICAL PROPERTIES

Test Description	ASTM Ref.	Plus	Premium	Test Lab
Impact Attenuation	F-1292	<700 HIC <125 G-MAX	<700 HIC <125 G-MAX	TUV America
Freeze Thaw Cycling	C67	No Deterioration	No Deterioration	Intertek
Heat Aging	D573	No Deterioration	No Deterioration	Intertek
Abrasion Resistance	C501	205	167	DTL/Intertek
Volume Density	D3676	817 kg/m ³	904.77 kg/m ³	DTL/Intertek
Slip Resistance	E303	44 Wet/51.25 Dry	32 Wet/53 Dry	QAI/Intertek
Slip Resistance	E2047	0.533	N/A	QAI
Tensile Strength	D412 (Mpa)	0.661	2.28	DTL/Intertek
Elongation at Break	D412	68.5%	119%	DTL/Intertek
Tear Strength	D624 (kNm)	2.2	2.2	DTL/Intertek
Peak Tear Load	D624 (N)	51	46.8	DTL/Intertek
Flammability	D2859	Pass	Pass	DTL
Critical Radiant Flux	E648-17A	N/A	0.26 (Avg. W/cm ²)	Intertek

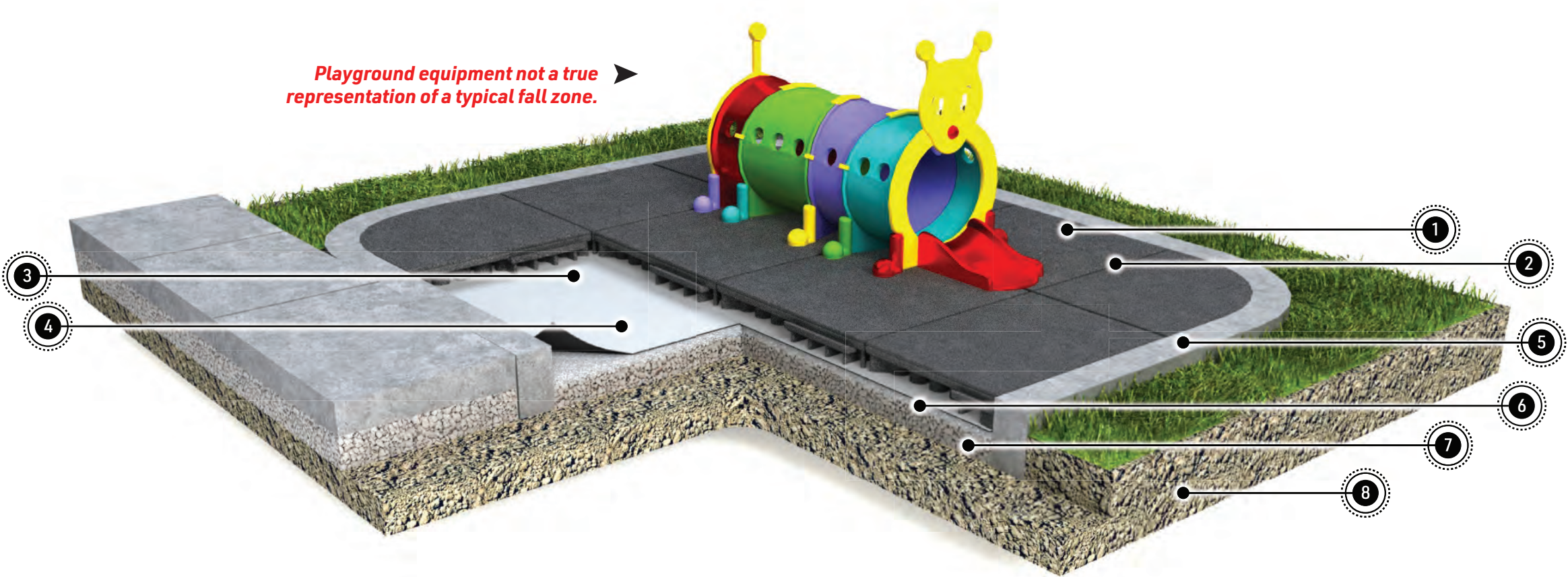
duraSAFE is manufactured to a dimension of 24.25" x 24.25" (+/- 0.125") and compressed during installation to a dimension of 24.125" x 24.125".



*FloorScore® is a certification program established by the Resilient Floor Covering Institute (RFCI) for hard surface flooring and flooring adhesives products that meet strict indoor air quality (IAQ) requirements. Products bearing the FloorScore label meet the indoor air quality emissions criteria of LEED, CHPS, the Green Guide for Health Care, and are recognized by a long list of healthy building programs.

Application:

Over Aggregate - Contained by Curb/Sidewalk



DURASAFE THICKNESS (in.)	CRITICAL FALL HEIGHT (ft)
2.00"	3 Feet
2.25"	4 Feet
2.75"	5 Feet
3.25"	6 Feet
3.75"	7 Feet
4.25"	8 Feet
4.75"	9 Feet
5.00"	10 Feet
5.25"	12 Feet

APPLICATION NOTES

- 1) Consult with a local Civil Engineer to find out what drainage system is best for your application.
- 2) Review current installation manual and sub-surface guide.
- 3) Ensure subsoil drains towards drainage system.

LEGEND

- 1) duraSAFE[®] Rubber Playground Tiles (see specifications for thickness & color).
- 2) A continuous Bead of duraSAFE tile adhesive is to be applied in all seams. Careful attention is required to ensure the correct amount of adhesive is applied. Once the product begins to rise flush to the top of the seam, enough product has been applied. Allow any excess adhesive to fully cure prior to removal. Simply remove using a utility knife.
- 3) Aggregate base with a 1-2% Slope to meet ADA Requirements - or, 1/8" to 1/4" per 12" (3 mm to 6 mm per 300 mm).
- 4) Rubber sheeting separating the compacted fines from the duraSAFE Tiles. Aids in water drainage and adhering strategic tiles in place. Rubber sheeting to stop 4" from curb to allow for drainage through to granular base.
- 5) Containing Sidewalk, concrete curb or timber.
- 6) 1" thick of 1/4" minus compaction fines for final leveling layer.
- 7) 3/4" minus aggregate or recycled asphalt/concrete compacted to 4-6" in depth. Best practice is to compact in 2" lifts to arrive at 95% compaction.
- 8) Compacted ground.

	PRODUCT SHOWN duraSAFE 3.25"	SCENARIO DESCRIPTION Over Aggregate	DATE CREATED Dec. 3, 2021	PREPARED BY Brad Goss	SCALE N/A	REVISION 1
	SERIES Plus	COLOUR Midnight Black 	FILE NAME 2021_DS_OverAggregateContainedbyCurb.pdf			

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