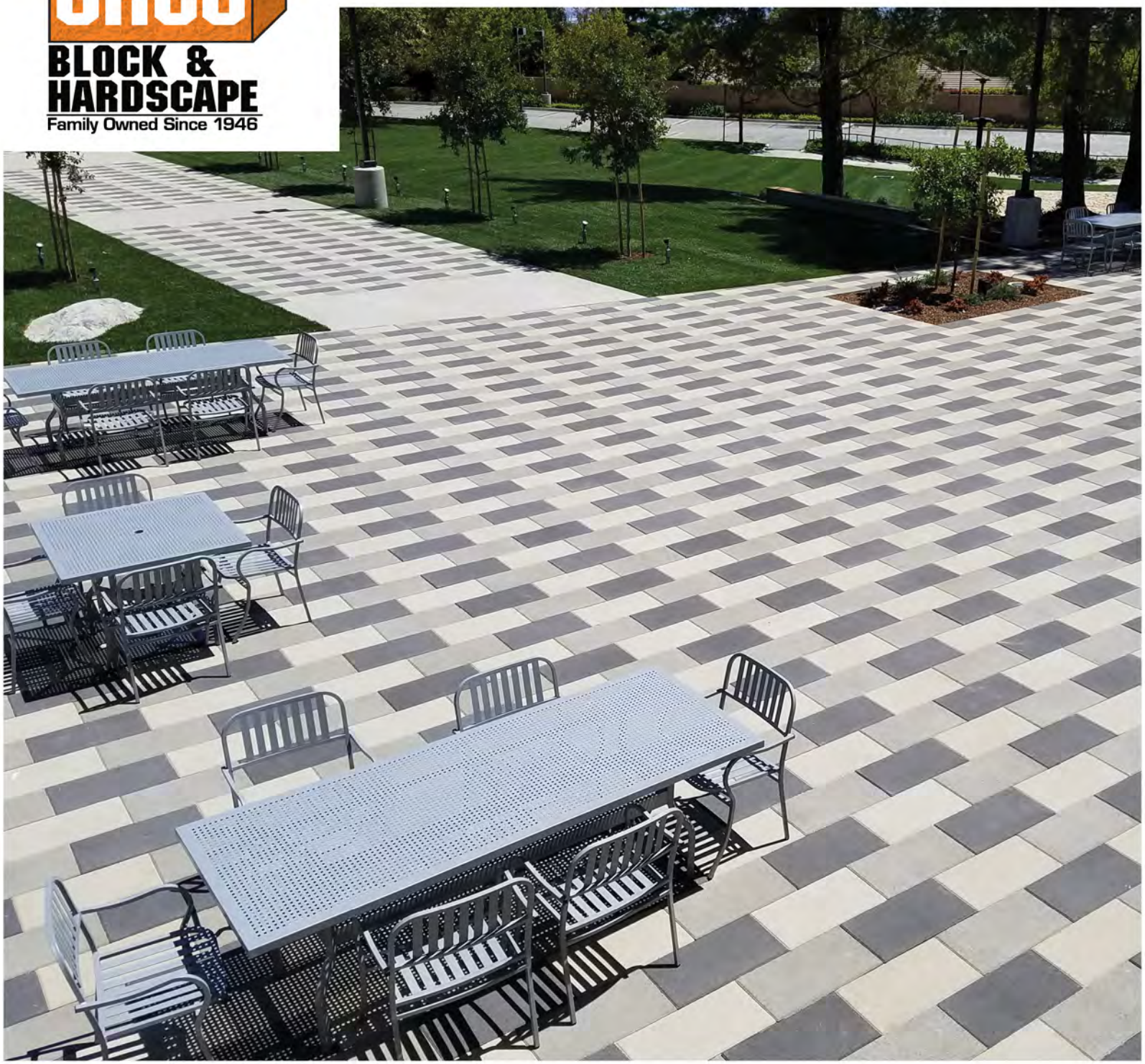
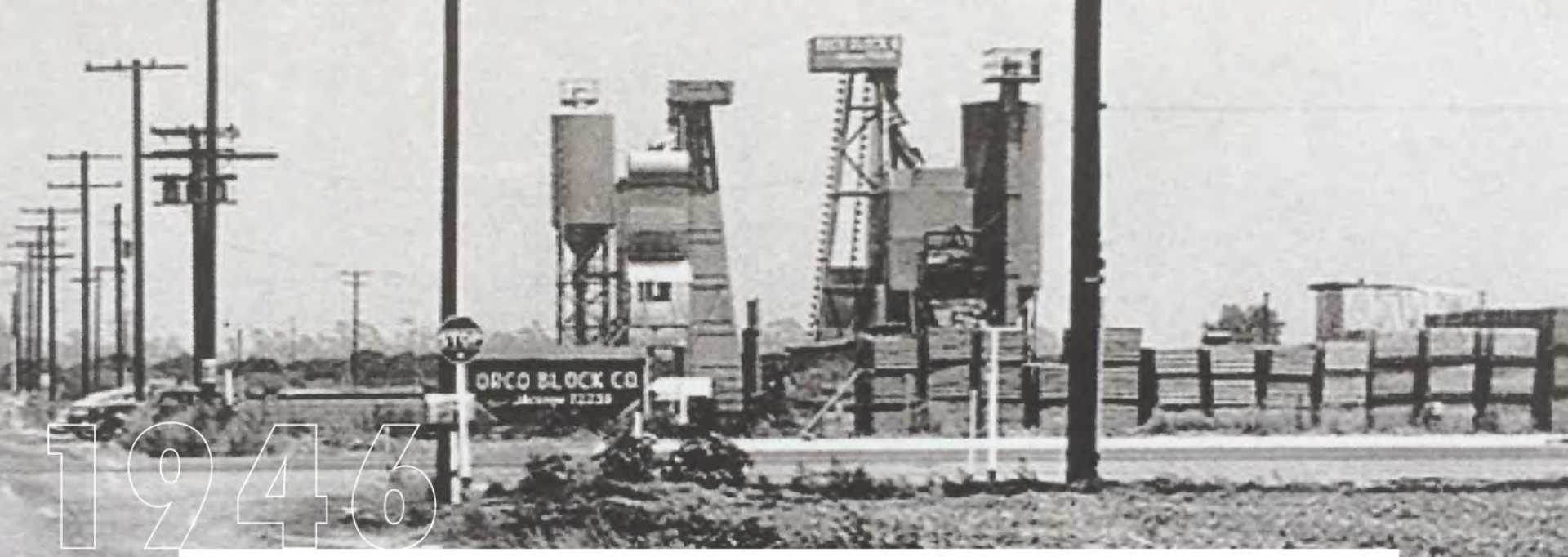
ORCO
BLOCK &
HARDSCAPE
Family Owned Since 1946



COMMERCIAL HARDSCAPES



ORCO Block Co.

FAMILY HISTORY

On behalf of my family, I want to thank you for allowing ORCO to participate in your projects and taking time to explore our rapidly expanding commercial hardscape product line. It's been nearly 75 years since we started as a small masonry block manufacturer – one of over 250 block companies in California. Now, thanks to our customers, we are one of the largest in the state.

Commercial hardscape products is a natural extension. We are building on the success of our residential hardscape program, investing in new and unique shapes, sizes, finishes, as well as adding complementary products – like pedestal roof systems, natural stone, porcelain, variegated block, protective furniture – that help provide commercial clients with appealing solutions.

This brochure shows these products in a very visual format. Then in the back, we provide a specification section for your convenience. To learn more, we can provide cut sheets and individual product brochures for many of these products.

We are always interested in hearing your feedback. Thanks again, for taking time to learn about our commercial hardscape product line.



The beginning... young Pete Muth at the hand-operation.



Cordially,

Rick Muth

PRESIDENT

CONTENTS

03 **COMMERCIAL PAVERS & SLABS**
(colors, page 61)

69 **PEDESTAL ROOF SYSTEMS**
(concrete slabs, natural stone, porcelain & wood)

71 **ORCO NATURAL STONE**
(colors, page 79)

81 **PORCELAIN**

89 **MORTARLESS WALLS (SRW)**

95 **VARIEGATED BLOCK**

97 **ORCO BLENDED PRODUCTS**

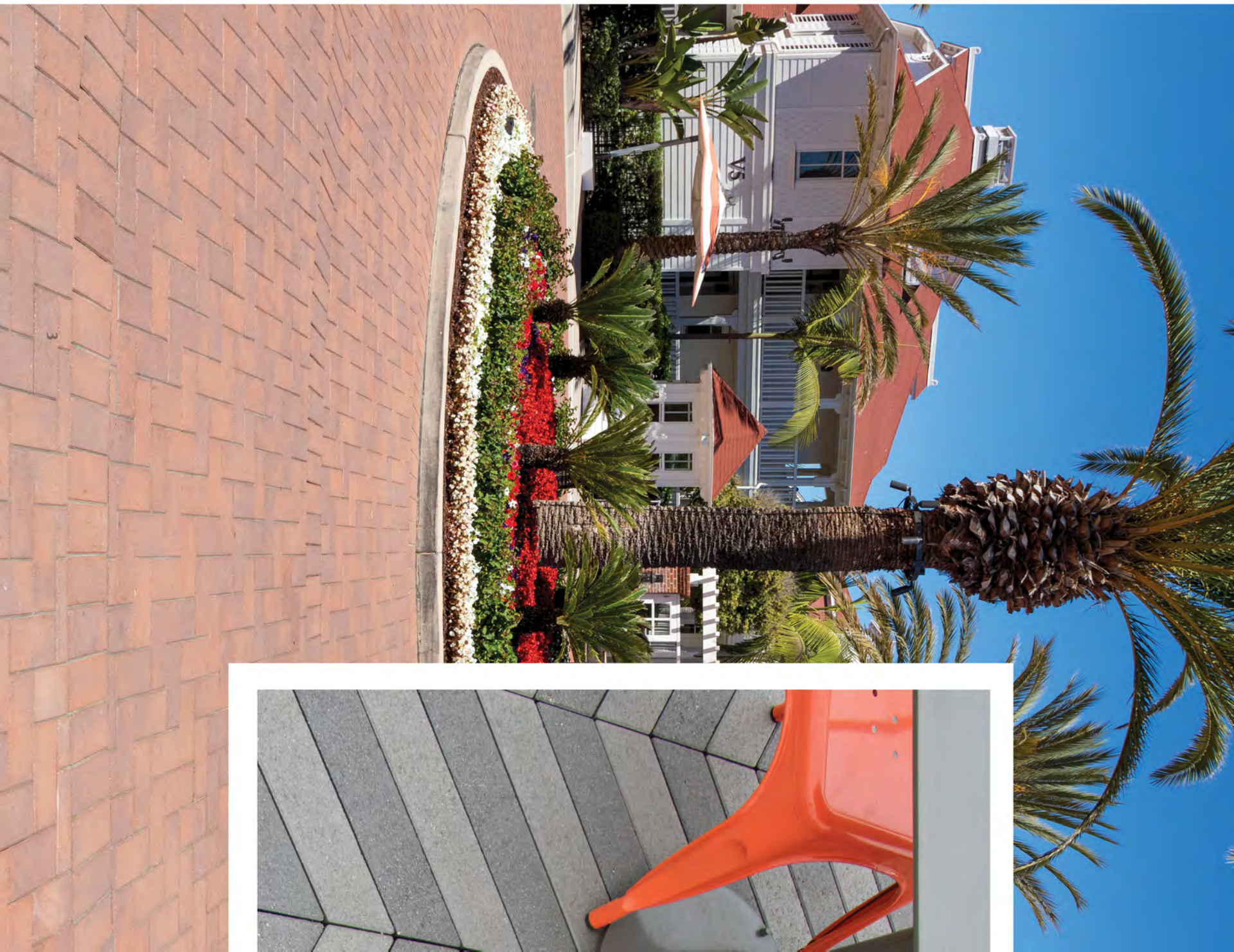
99 **OUTDOOR FIREPLACE KITS**

101 **PROTECTIVE FURNITURE**

103 **SPECIFICATIONS**

VERSATILE WITH OUTSTANDING DURABILITY

MANUFACTURED CONCRETE PAVERS AND SLABS







COMMERCIAL PAVERS & SLABS



3 x 9



80 MM | 2.95" X 8.85" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

4 x 4



60/80 MM | 3.94" X 3.94" | EDGE - BEVEL, AGED, NO CHAMFER | FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm



SOLAR TAN • CHARCOAL

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

4 x 8



BUFF | MICRO CHAMFER

60/80 MM | 3.94" X 7.87" | EDGE - BEVEL, MICRO CHAMFER, AGED, NO CHAMFER | FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm





TUSCANY | BURNISH

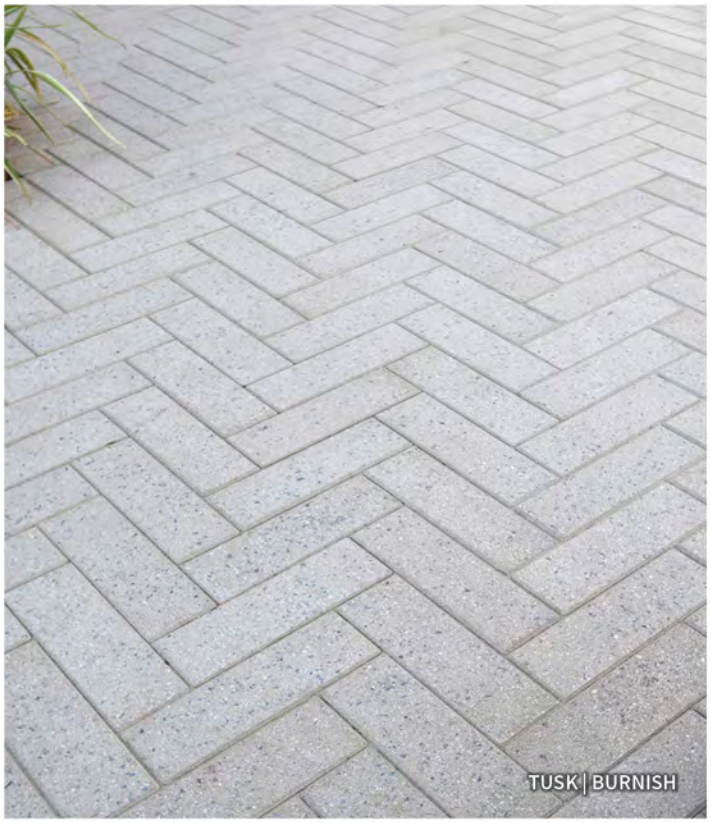
For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

4 x 12



60 MM | 3.94" X 11.81" | EDGE - BEVEL | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB





TUSK | BURNISH



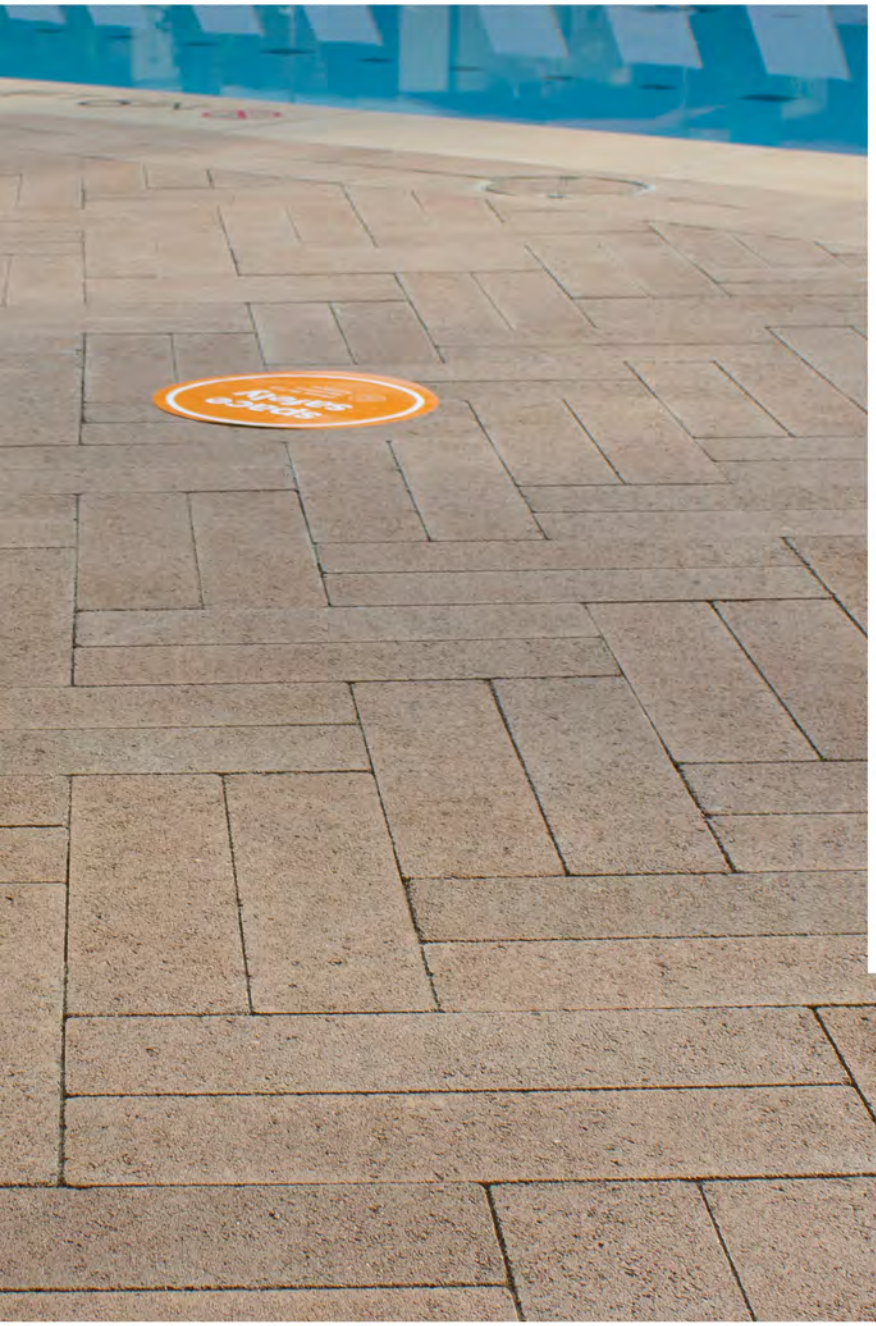
TUSK | BURNISH

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

4 x 16



80 MM | 3.94" X 15.75" | EDGE - BEVEL, NO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB





DEL REY (CUSTOM) | NO CHAMFER

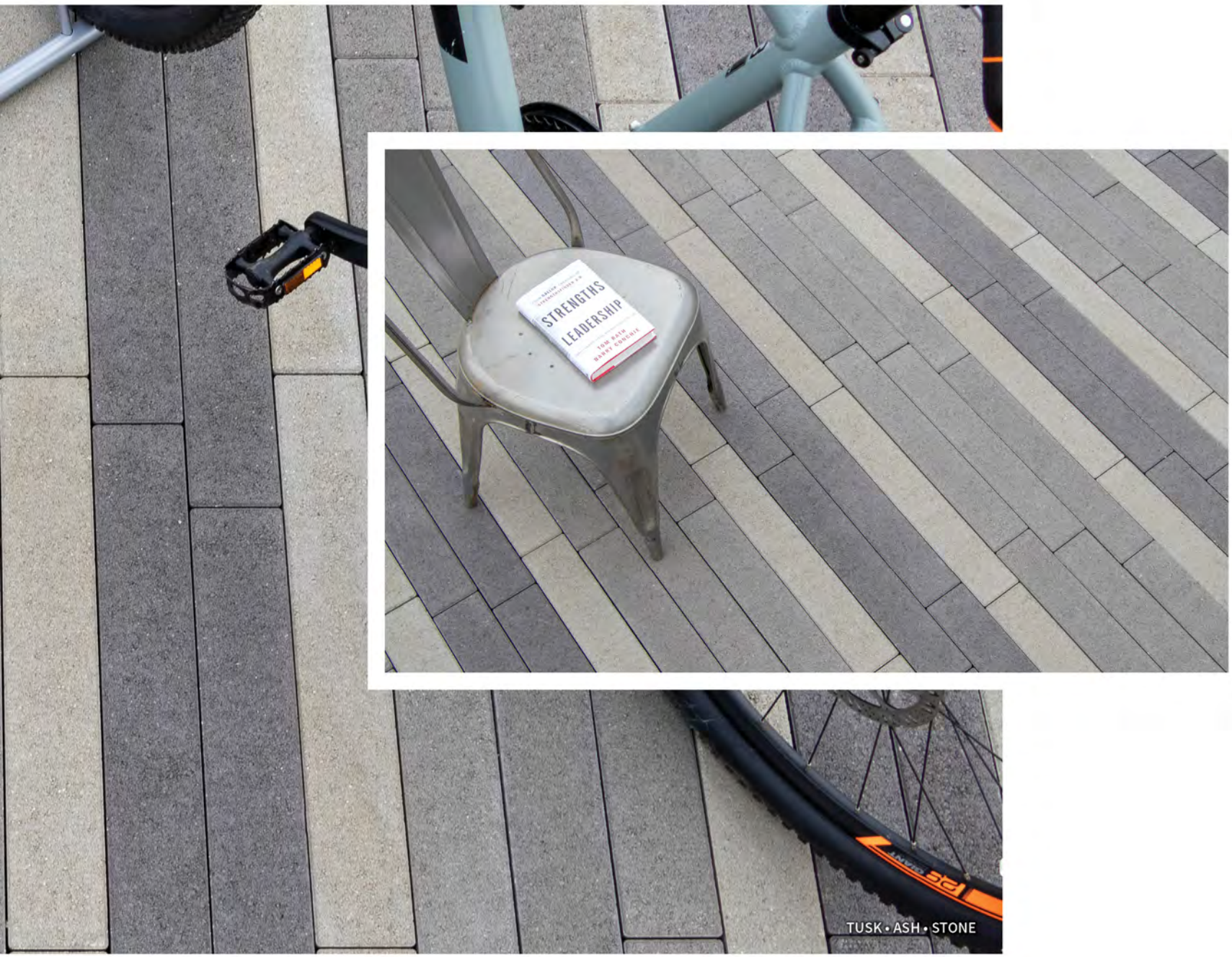
DEL REY (CUSTOM) | NO CHAMFER

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

4 x 24



80 MM | 3.94" X 23.62" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

6 x 6

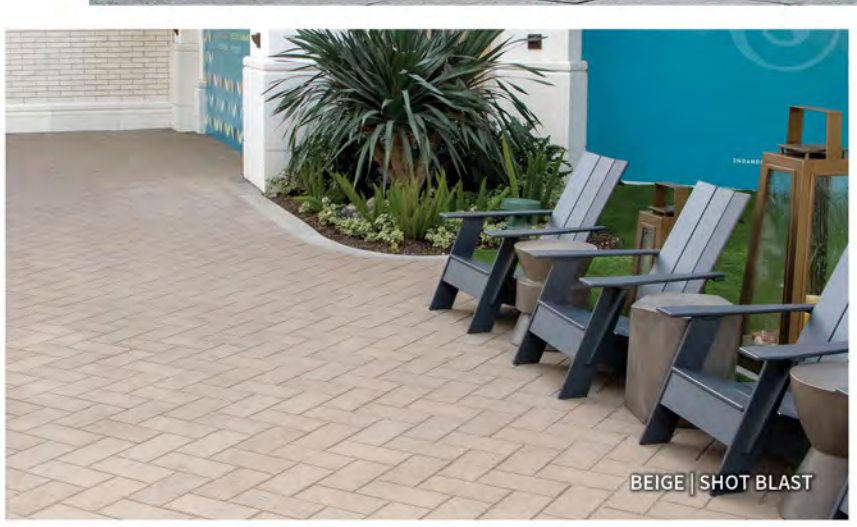


60 MM | 5.87" X 5.87" | EDGE - BEVEL | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

6 x 12



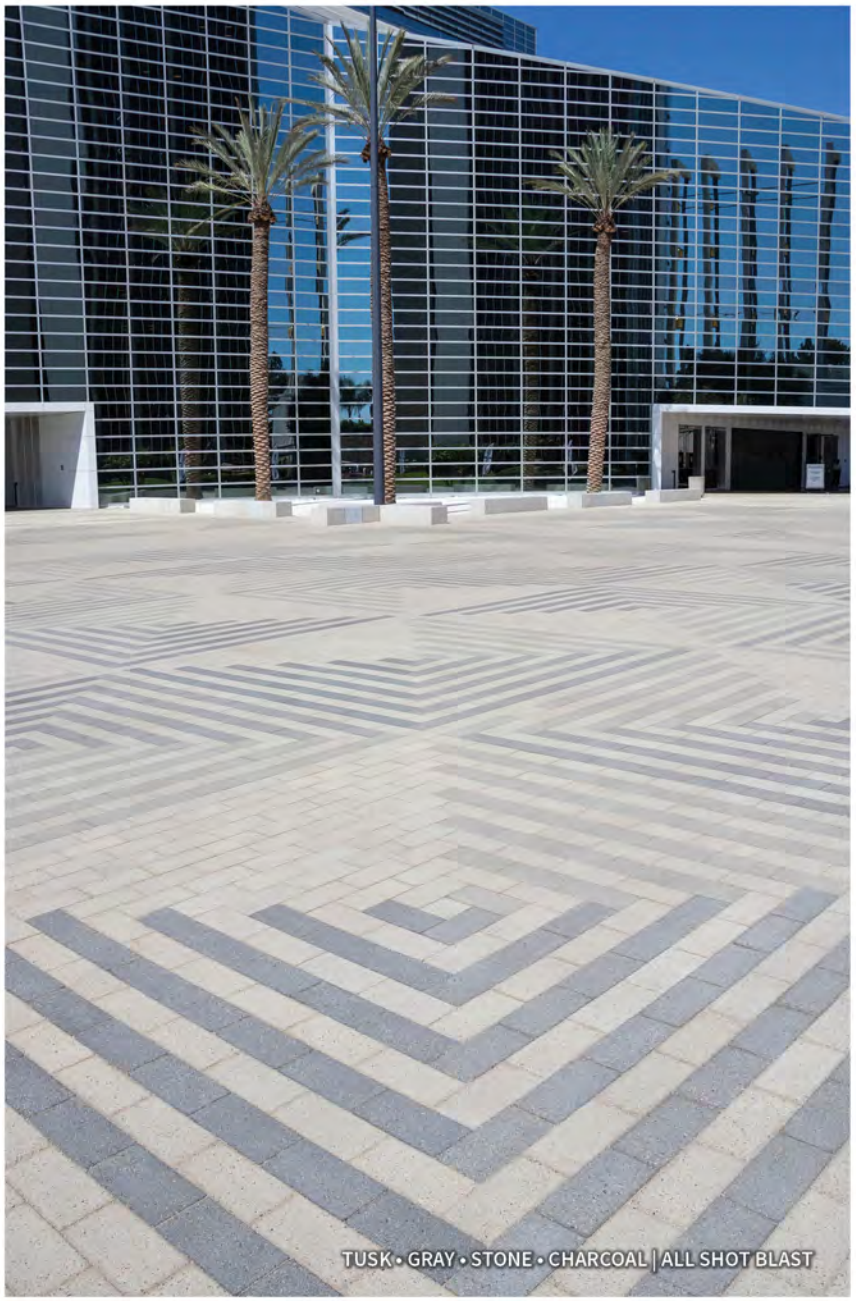
BEIGE | SHOT BLAST

60/80 MM | 5.87" X 11.75" | EDGE - BEVEL, NO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm



STONE • CHARCOAL | ALL BURNISH



TUSK • GRAY • STONE • CHARCOAL | ALL SHOT BLAST

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

6 x 24



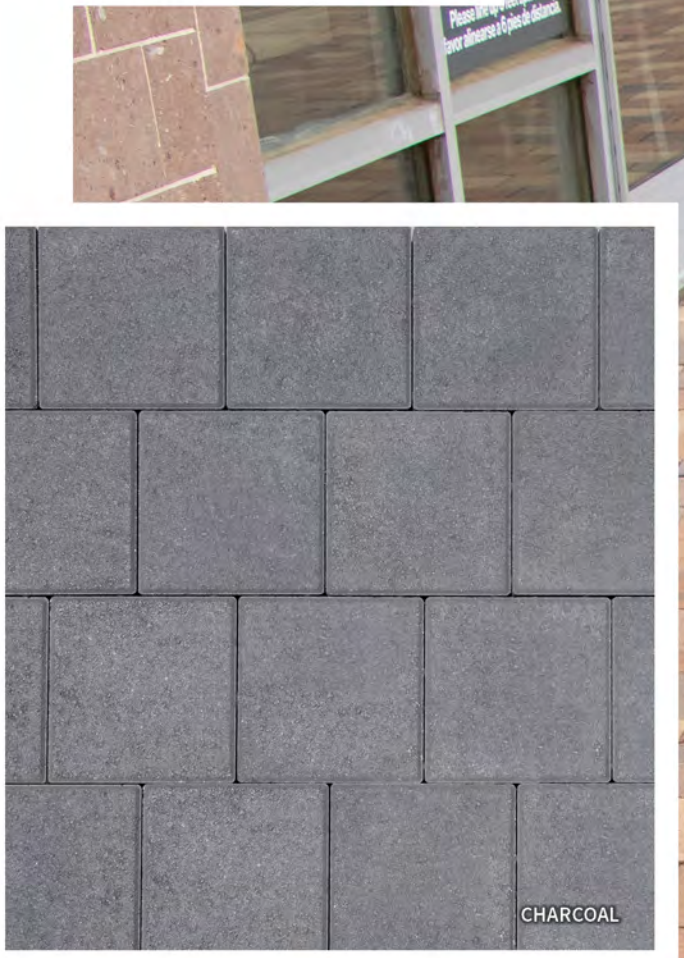
80 MM | 5.90" X 23.62" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



TUSK • CHARCOAL

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

8 x 8



60/80 MM | 7.87" X 7.87" | EDGE - BEVEL, AGED, NO CHAMFER | FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm



For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

8 x 12



60/80 MM | 7.87" X 11.81" | EDGE - BEVEL, AGED, NO CHAMFER | FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB



TUSK | SHOT BLAST • STONE | SHOT BLAST • CHARCOAL

BORREGO

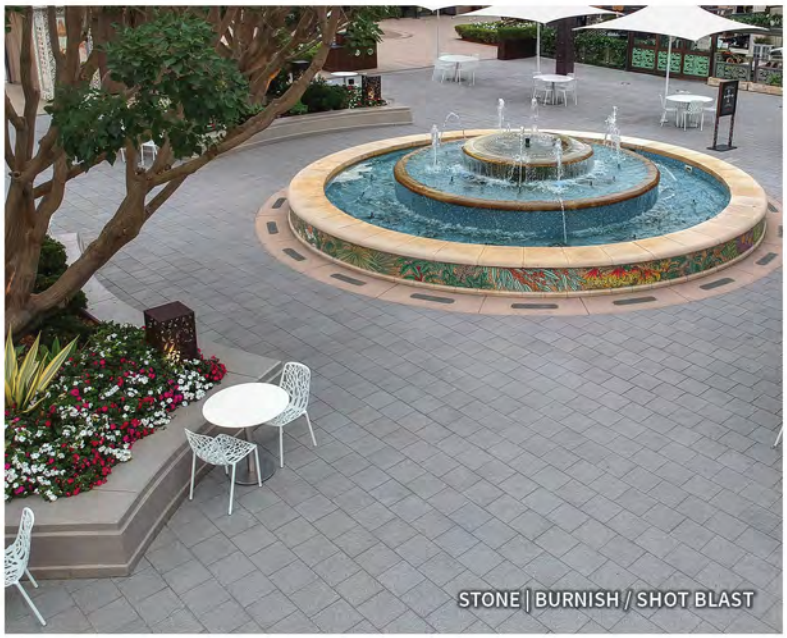
For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

12 X 12



CHARCOAL | BURNISH / SHOT BLAST

60/80 MM | 11.81" X 11.81" | EDGE - BEVEL, AGED, NO CHAMFER | FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB

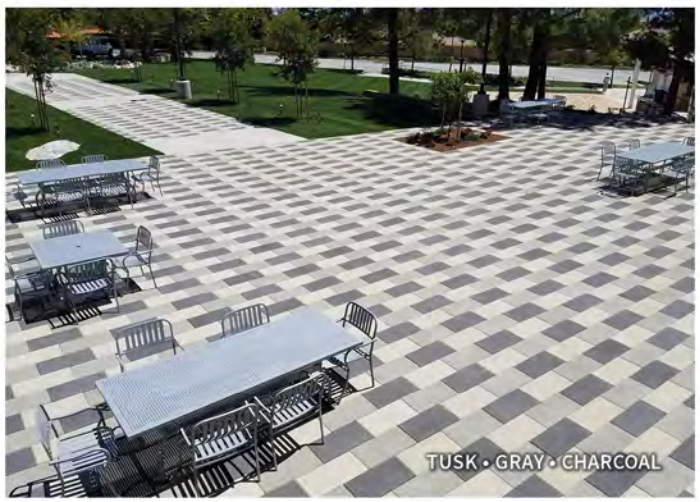


STONE | BURNISH / SHOT BLAST

CHARCOAL | BURNISH / SHOT BLAST

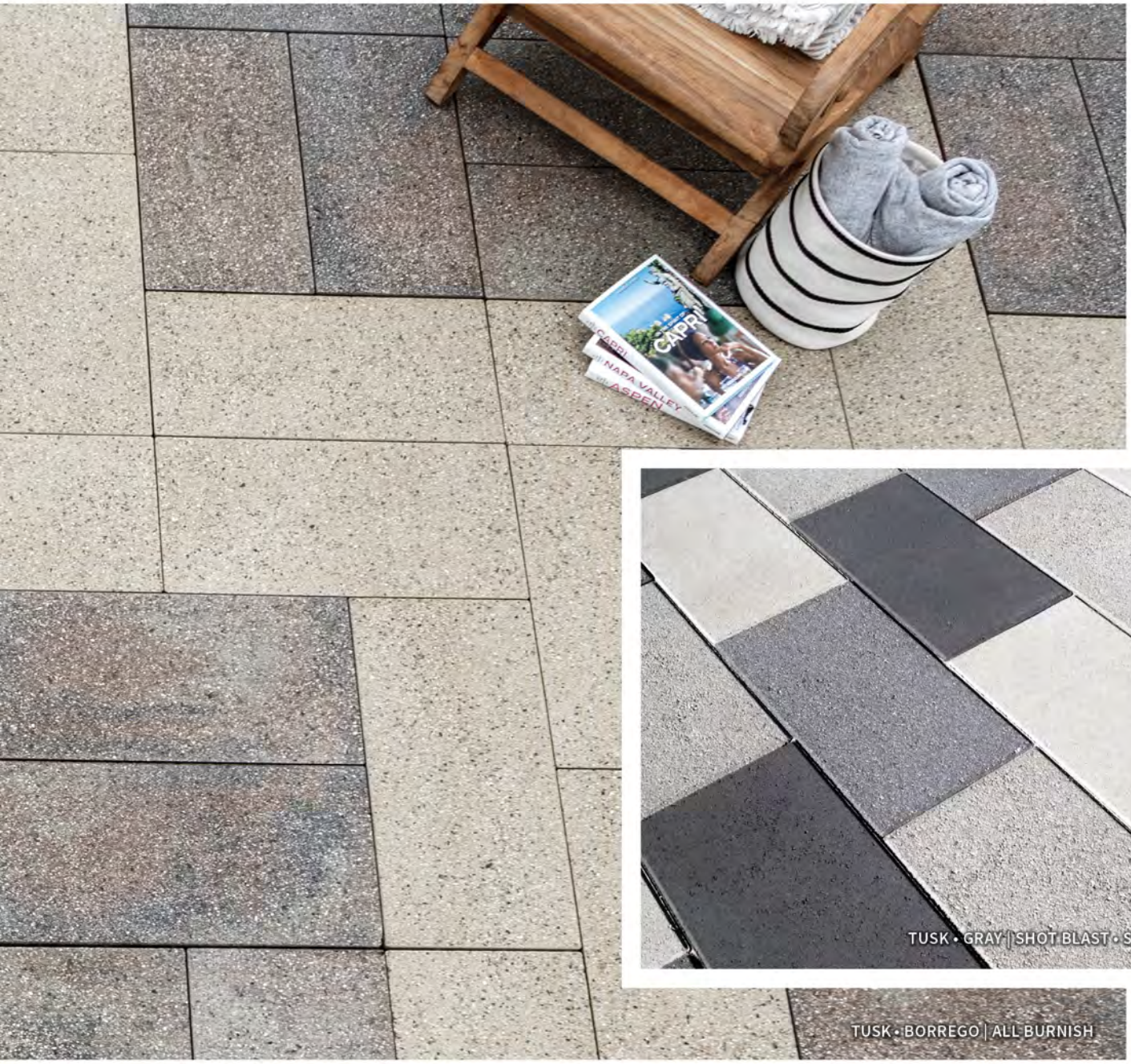
For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

12 X 24



60/80 MM | 11.81" X 23.62" | EDGE - MICRO CHAMFER (60MM ONLY), BEVEL (80MM ONLY), NO CHAMFER (80MM ONLY)
FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB

PEDESTAL



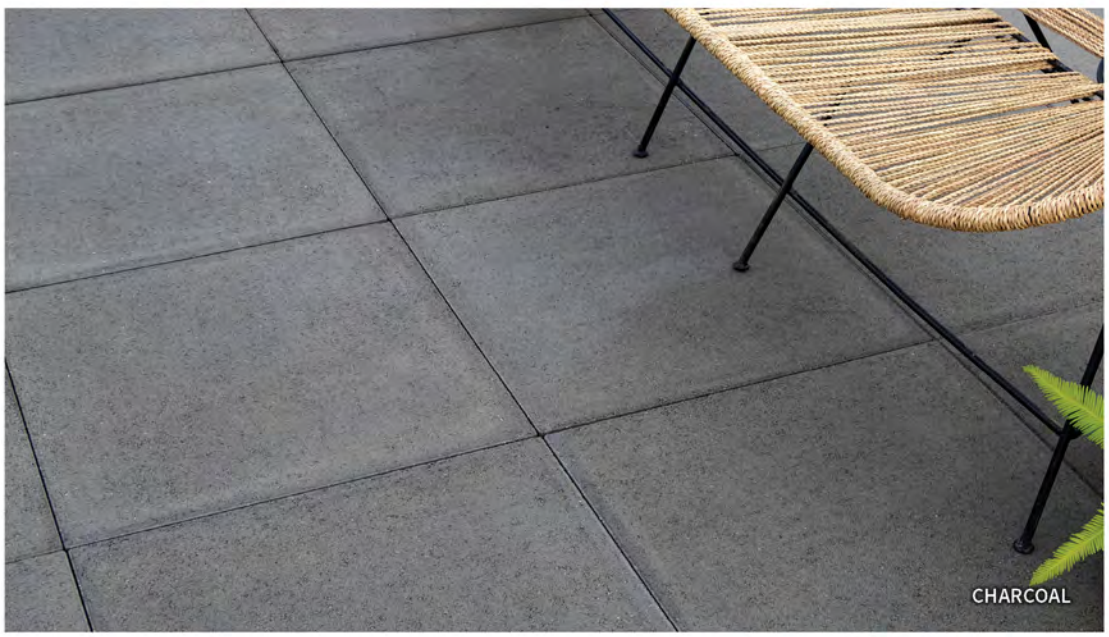
TUSK • GRAY | SHOT BLAST • STONE | SHOT BLAST • CHARCOAL

TUSK • BORREGO | ALL BURNISH

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

24 x 24







60 MM | 23.62" X 23.62" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SLATE

PEDESTAL



For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

EcoHex
9”
PERMEABLE & NON-PERMEABLE


DUNE • CHARCOAL | ALL BURNISH

80 MM | 9” HEXAGON | 9.06” DIAMETER | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

MEGAHEX
16”
NON-PERMEABLE



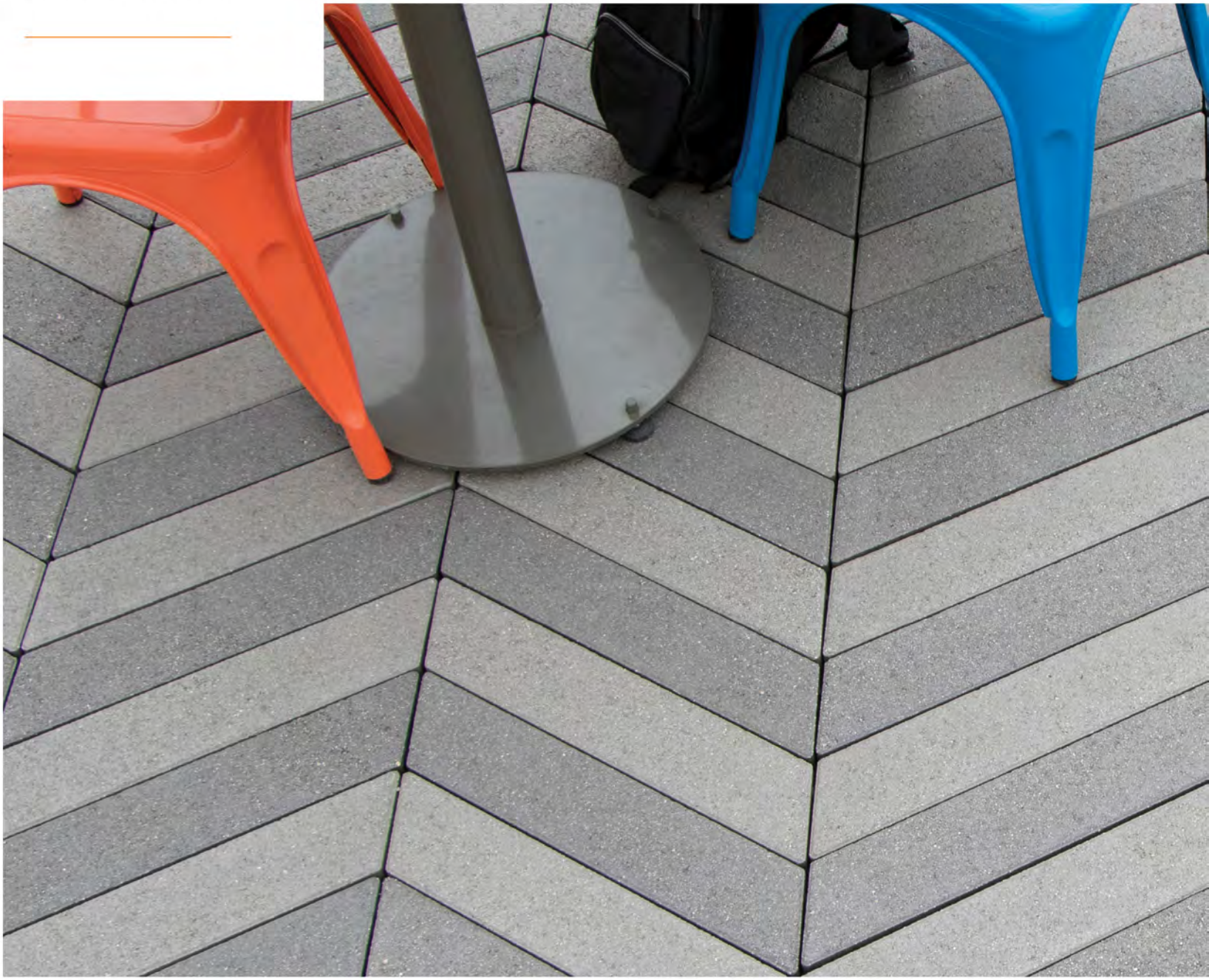
60 MM | 16” HEXAGON | 16.14” DIAMETER | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



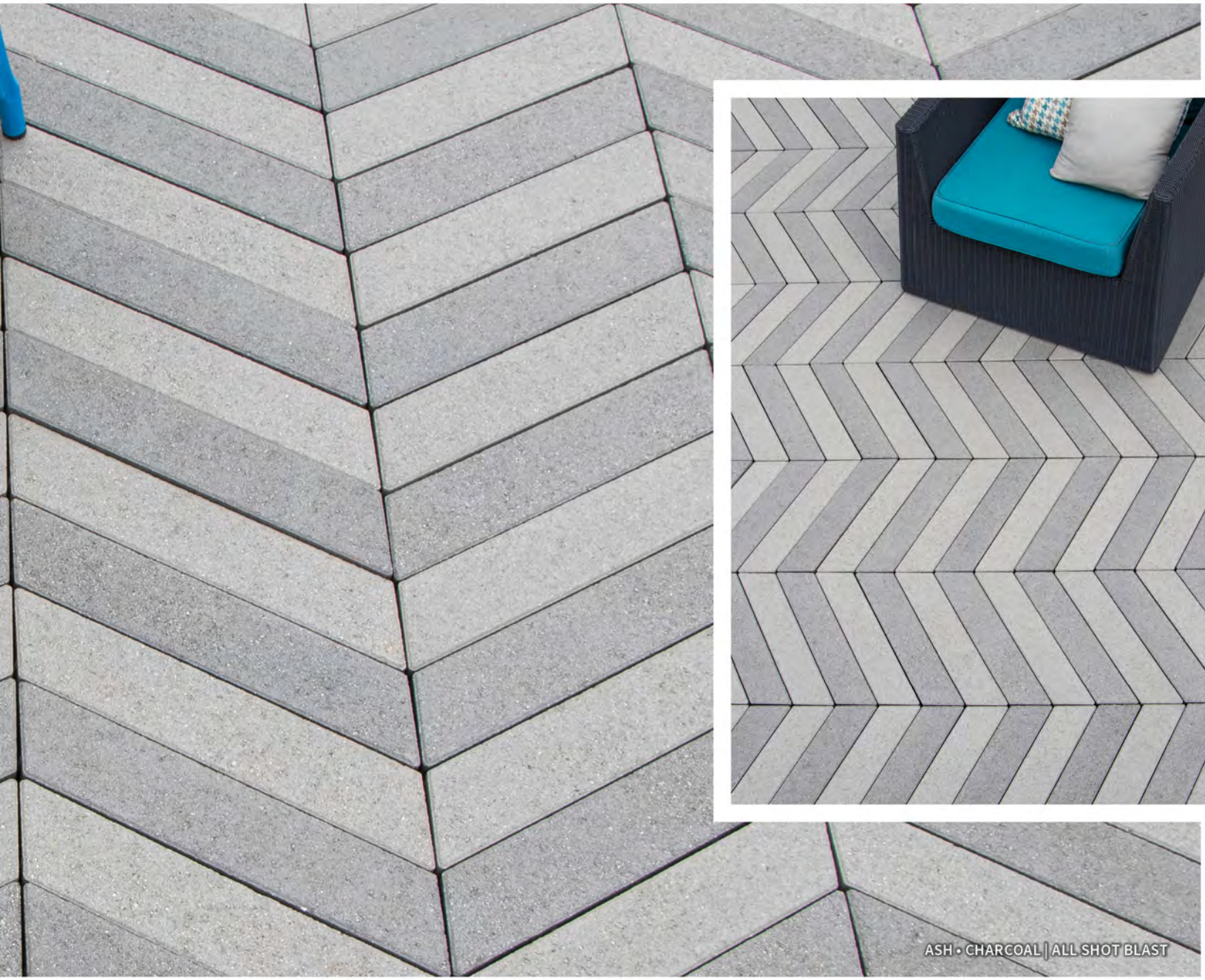
Furniture courtesy of People Space - peoplespace.com

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

CHEVRON



80 MM | 3.94" X 17.75" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



ASH • CHARCOAL | ALL SHOT BLAST

Furniture courtesy of People Space - peoplespace.com

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

ANTIQUE COBBLE



60/80 MM | SQUARE - 5.51" X 5.51", RECTANGLE - 5.51" X 8.27" | EDGE - PILLOW | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm

COUNTRY COBBLE



60/80 MM | SQUARE - 5.51" X 5.51", RECTANGLE - 5.51" X 8.27" | EDGE - AGED, NO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

APPIAN


CHÂTEAU

70 MM | SQUARE - 6.30" X 6.30", RECTANGLE - 6.30" X 9.45" | EDGE - PILLOW | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



MANOR • TERRA VERDE

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

DIAMANTE



60 MM | 5.57" X 13.20" DIAMOND | EDGE - BEVEL | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



Furniture courtesy of People Space - peoplespace.com

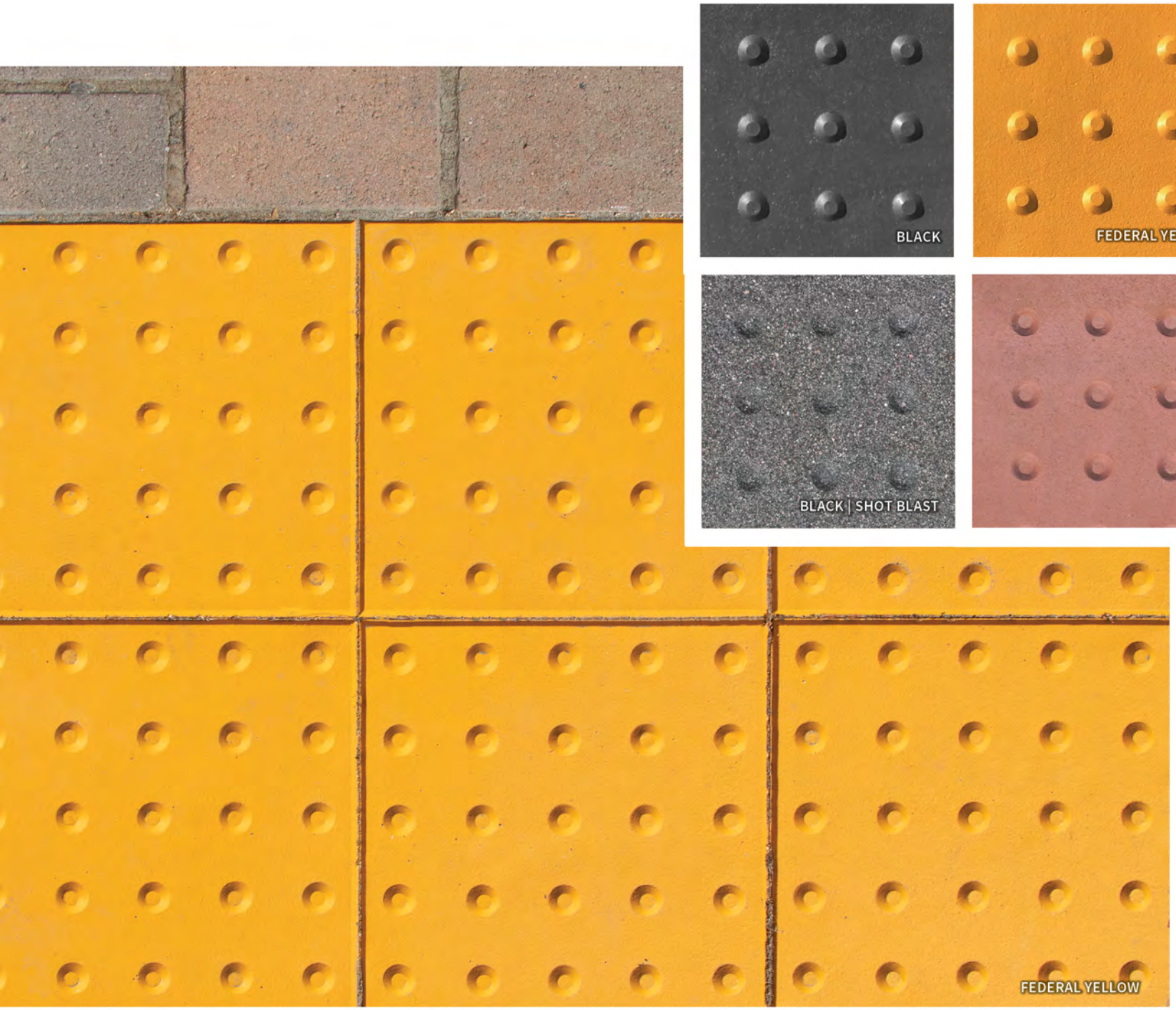
For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

TRUNCATED DOMES





50 MM | 12" X 12" | EDGE - BEVEL | FINISHES - STANDARD, SHOT BLAST


FEDERAL YELLOW

BLACK

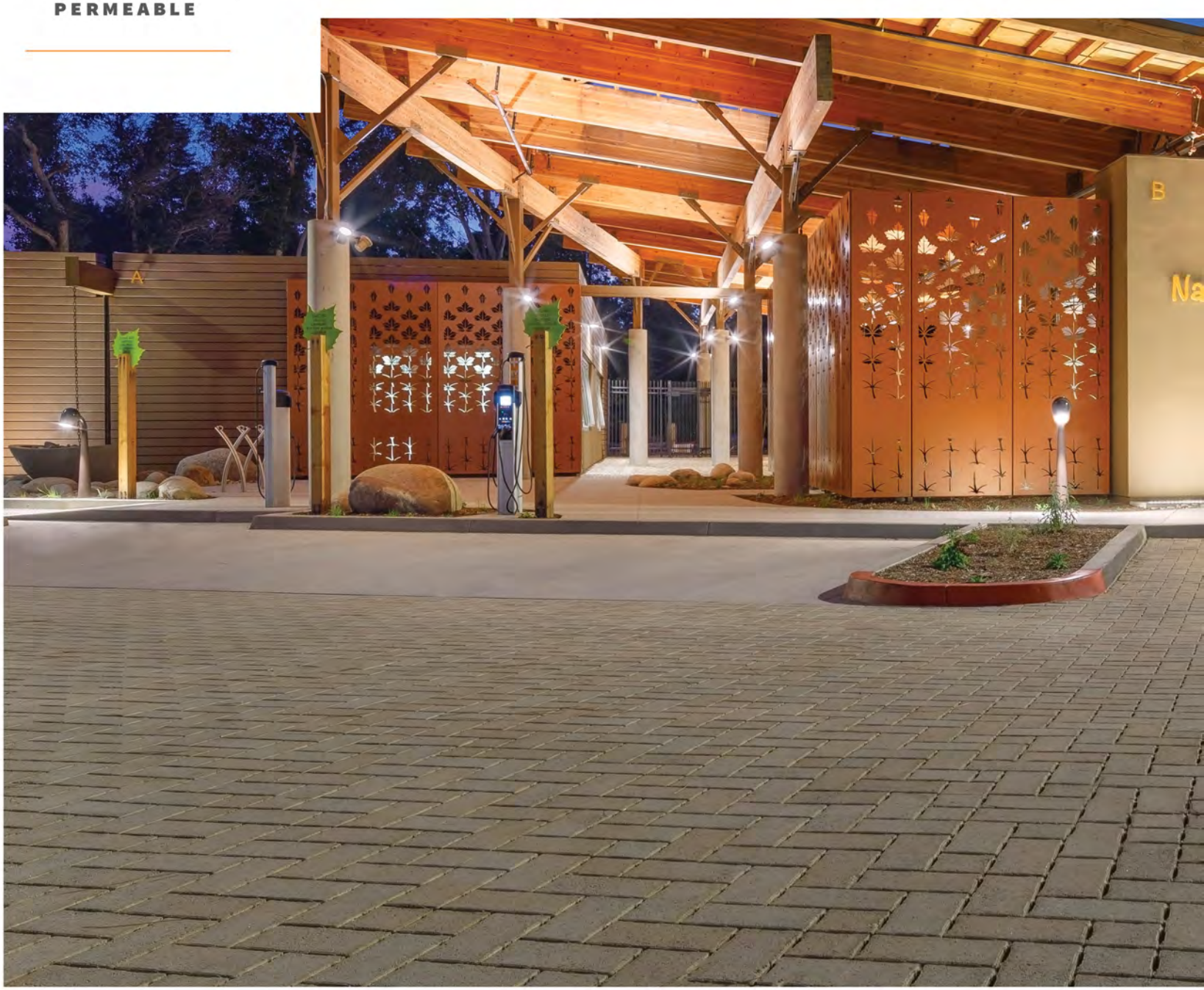
FEDERAL YELLOW

BLACK | SHOT BLAST

RED

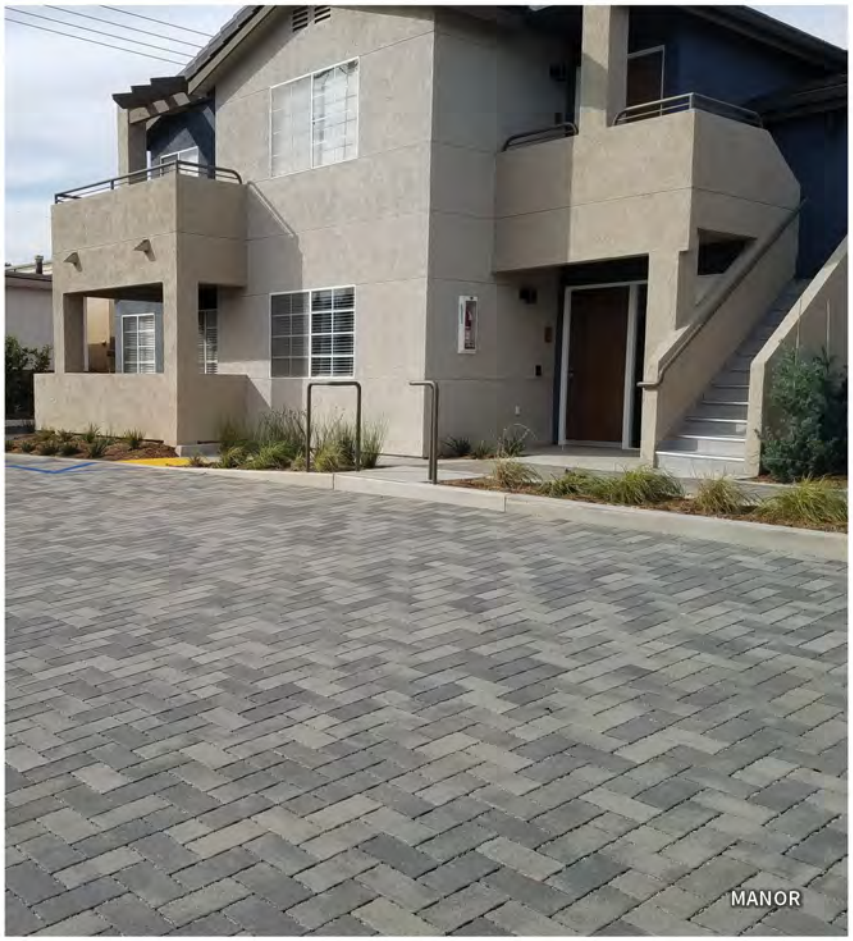
CASCADA

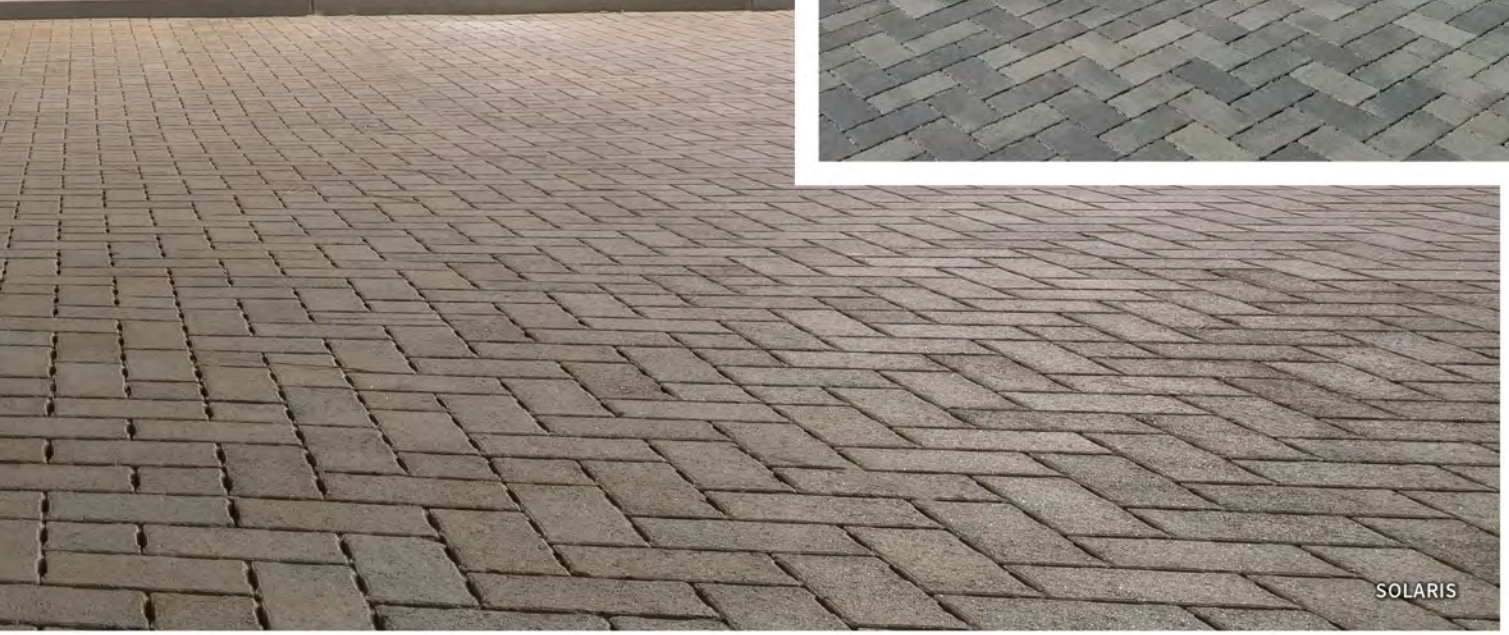
PERMEABLE



80 MM | 4.92" X 9.84" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB



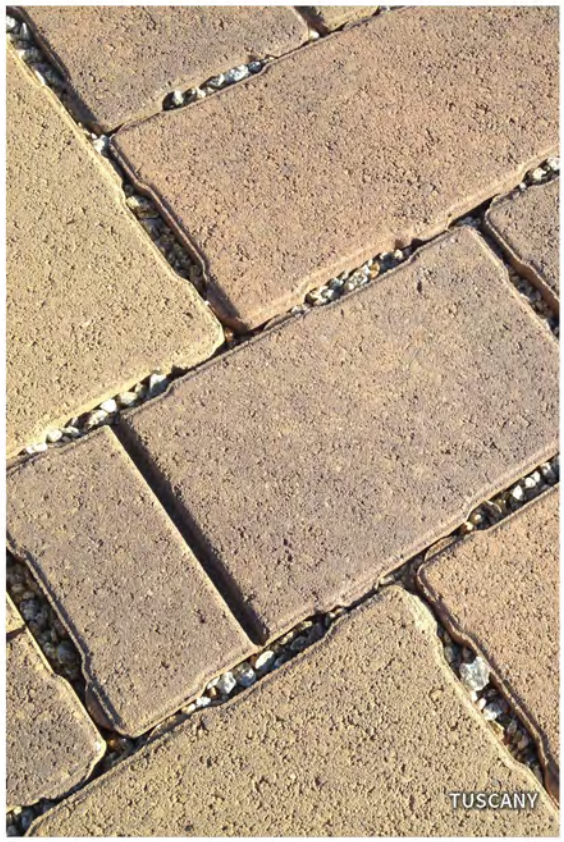




For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

CASCADA CORTE

PERMEABLE



80 MM | 4.92" X 9.84" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB





For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

ATTRAVERSO

PERMEABLE



80 MM | 4.92" X 9.84" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB





For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

TURFSTONE



80 MM | 15.66" X 23.50" | EDGE - STRAIGHT | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB


NATURAL GRAY

EXPRESS SET

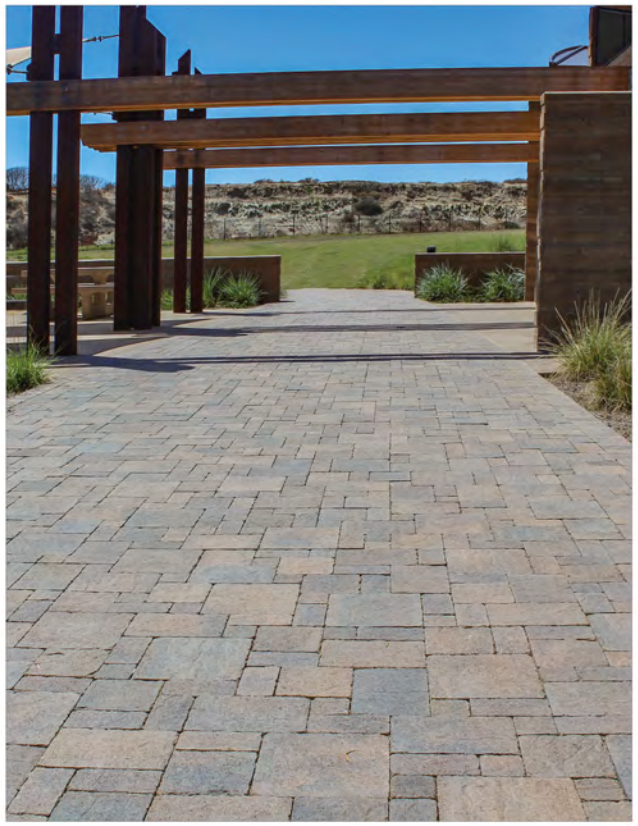
5 SIZES ON A PALLET



60/80 MM | 3.94" X 3.94", 3.94" X 7.87", 7.87 " X 7.87", 7.87" X 11.81", 11.81" X 11.81" | EDGE - BEVEL, AGED, NO CHAMFER
FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB

80mm





TUSCANY

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

LARGE FORMAT EXPRESS SET

4 SIZES ON A PALLET



60 MM | 3.94" X 15.75", 11.81" X 11.81", 11.81" X 15.75", 11.81" X 23.62" | EDGE - MICRO CHAMFER | FINISHES - STANDARD, SLATE, SHOT BLAST (SB), BURNISH, BURNISH/SB



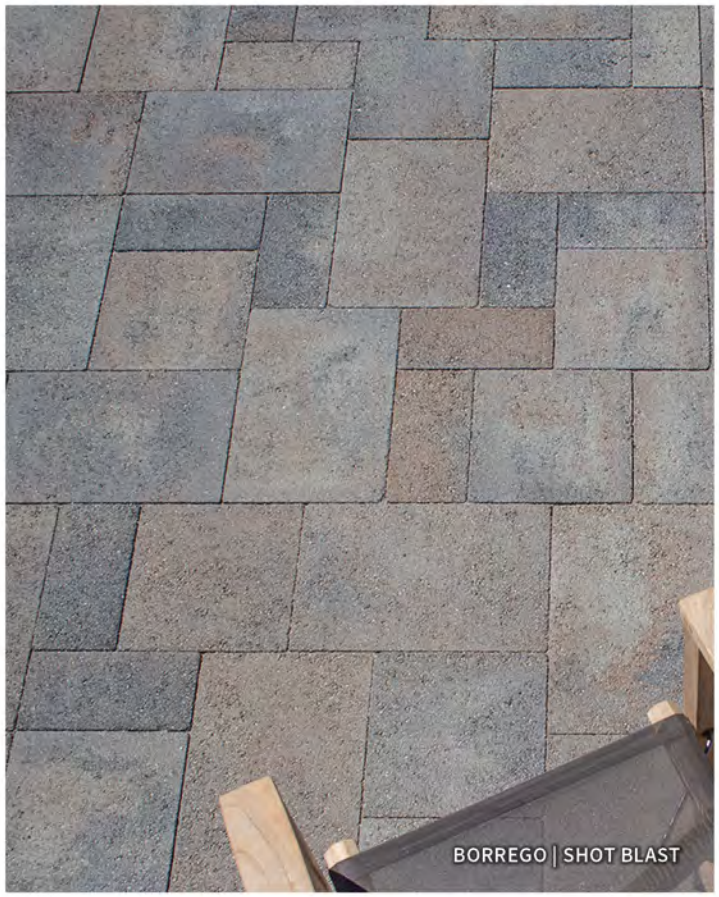
TUSCANY | ICON (STANDARD)

BORREGO | MODULO (SLATE)

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

TRE EXPRESS SET

3 SIZES ON A PALLET

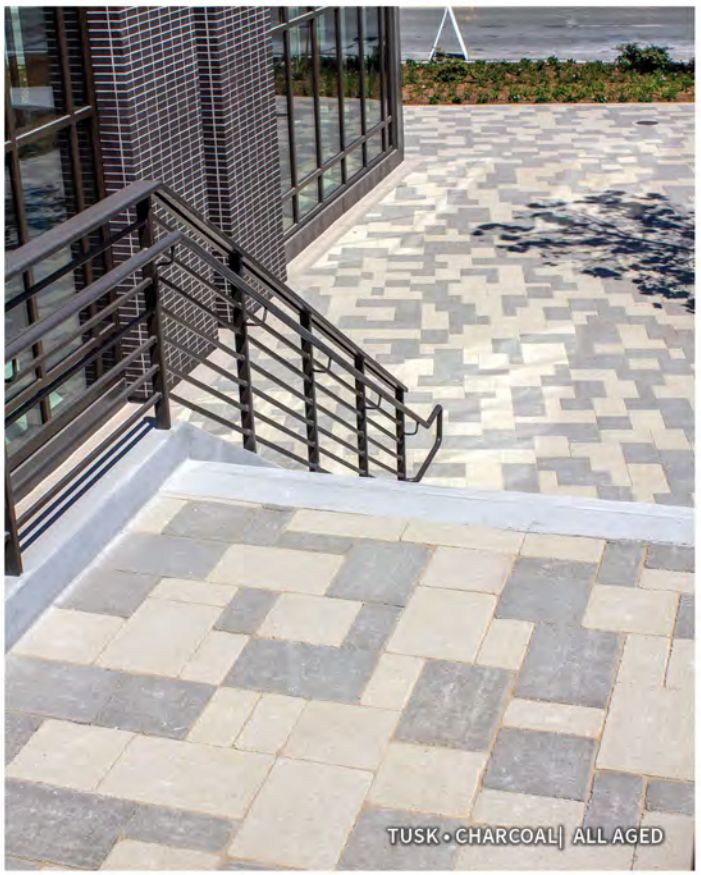


BORREGO | SHOT BLAST



80 MM | 5.25" X 10.50", 10.50" X 10.50", 10.50" X 15.75" | EDGE - AGED, NO CHAMFER | FINISHES - STANDARD, SHOT BLAST (SB), BURNISH, BURNISH/SB





TUSK • CHARCOAL| ALL AGED

MANOR | BURNISH • PASTELLO • PASTELLO | BURNISH

For solid and blended color options, see pages 61 – 66. Always verify color / texture with actual samples.

COMMERCIAL
COLOR CHART



ORCO'S FEATURED COLORS



01	CHARCOAL // SHOT BLAST
02	TUSK // BURNISH
03	BUFF // STANDARD

PAVER/SLAB COLORS

SOLAR TAN



SOLAR TAN / STANDARD



SOLAR TAN / SHOT BLAST



SOLAR TAN / BURNISH

DUNE



DUNE / STANDARD



DUNE / SHOT BLAST



DUNE / BURNISH

BEIGE



BEIGE / STANDARD



BEIGE / SHOT BLAST



BEIGE / BURNISH

BUFF



BUFF / STANDARD



BUFF / SHOT BLAST



BUFF / BURNISH

PAVER/SLAB COLORS

TUSK



TUSK / STANDARD



TUSK / SHOT BLAST



TUSK / BURNISH

GRAY



GRAY / STANDARD



GRAY / SHOT BLAST



GRAY / BURNISH

ASH



ASH / STANDARD



ASH / SHOT BLAST



ASH / BURNISH

STONE



STONE / STANDARD



STONE / SHOT BLAST



STONE / BURNISH

CHARCOAL



CHARCOAL / STANDARD



CHARCOAL / SHOT BLAST



CHARCOAL / BURNISH

CANYON



CANYON / STANDARD



CANYON / SHOT BLAST



CANYON / BURNISH

TERRA COTTA



TERRA COTTA / STANDARD



TERRA COTTA / SHOT BLAST



TERRA COTTA / BURNISH

RED



RED / STANDARD



RED / SHOT BLAST



RED / BURNISH

PAVER/SLAB COLORS

CREAM



CREAM / STANDARD



CREAM / SHOT BLAST



CREAM / BURNISH

TAN



TAN / STANDARD



TAN / SHOT BLAST



TAN / BURNISH

COFFEE



COFFEE / STANDARD



COFFEE / SHOT BLAST



COFFEE / BURNISH

BROWN



BROWN / STANDARD



BROWN / SHOT BLAST



BROWN / BURNISH

BLUE



BLUE / STANDARD



BLUE / SHOT BLAST



BLUE / BURNISH

GREEN



GREEN / STANDARD

POPULAR COLOR BLENDS - VISIT ORCO.COM TO SEE MANY OTHER COLOR BLENDS.



ORCOTTA / STANDARD



MANOR / STANDARD



MONTECITO / STANDARD



CHÂTEAU / STANDARD



TUSCANY / STANDARD



PASTELLO / STANDARD



BORREGO / STANDARD



DUSK CANYON / STANDARD

PAVER/SLAB EDGES



AGED
(distressed edges & top)

CHIPPED AND WORN EDGES & TOP GIVE A RUGGED YET REFINED CHARACTER



BEVEL
(chamfered)

FLAT NATURAL TOP WITH BEVELED EDGES ON ALL FOUR SIDES



PILLOW TOP
(rounded edge, cobble)

ROUNDED EDGES AND CORNERS CREATE AN OLD WORLD LOOK



MICRO CHAMFER
(small bevel)

FLAT NATURAL TOP WITH SMALLER CHAMFER EDGE ON ALL FOUR SIDES



NO CHAMFER
(90 degree, flat)

CRISP EDGES CREATE AN ALMOST SEAMLESS APPEARANCE. REQUIRES SPECIAL INSTALLATION

PAVER/SLAB FINISHES



STANDARD



AGED



SLATE
(textured, hewn)



BURNISH
(honed, ground)



SHOT BLAST
(bead blast, weathered)

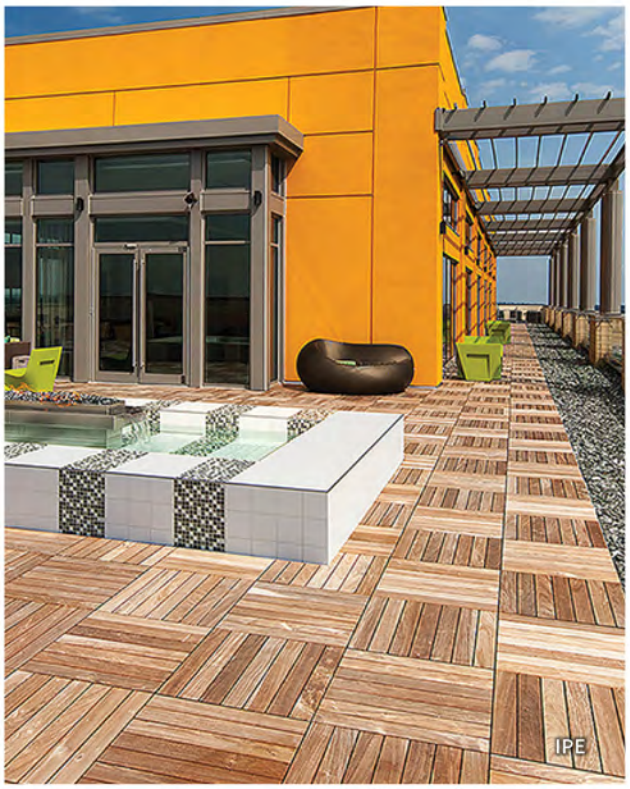


BURNISH/SHOT BLAST
(burnished and then shot blast)

PEDESTAL ROOF SYSTEMS

CONCRETE SLABS

NATURAL STONE



Photos courtesy of Bison Innovative Products





PORCELAIN



WOOD - IPE, BAMBOO, CUMARU

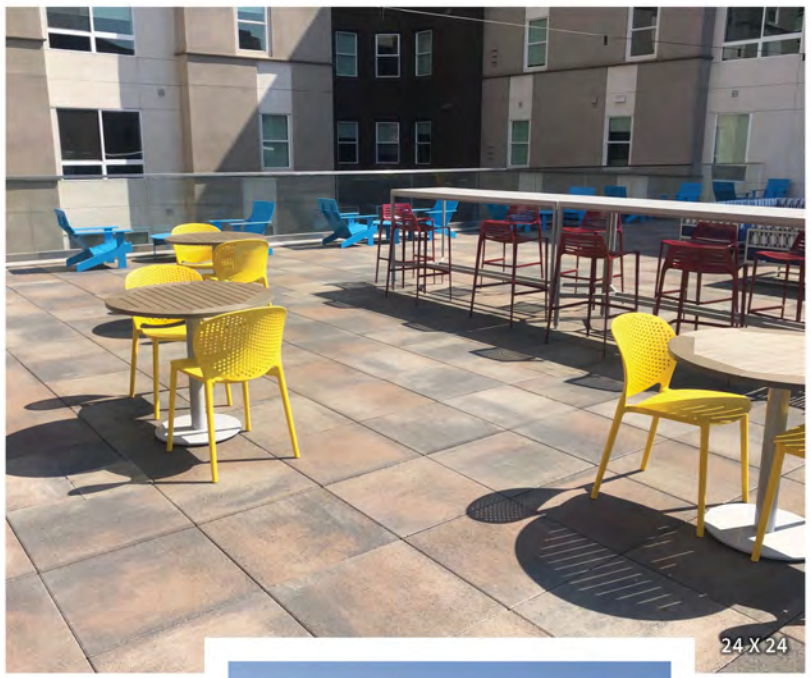
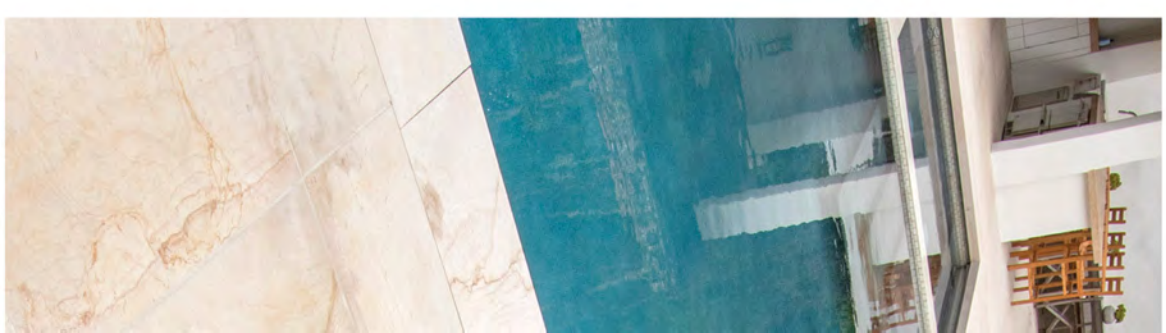




Photo courtesy of Bison Innovative Products

For pedestal products, parts, and installation, see pages 112 – 114.

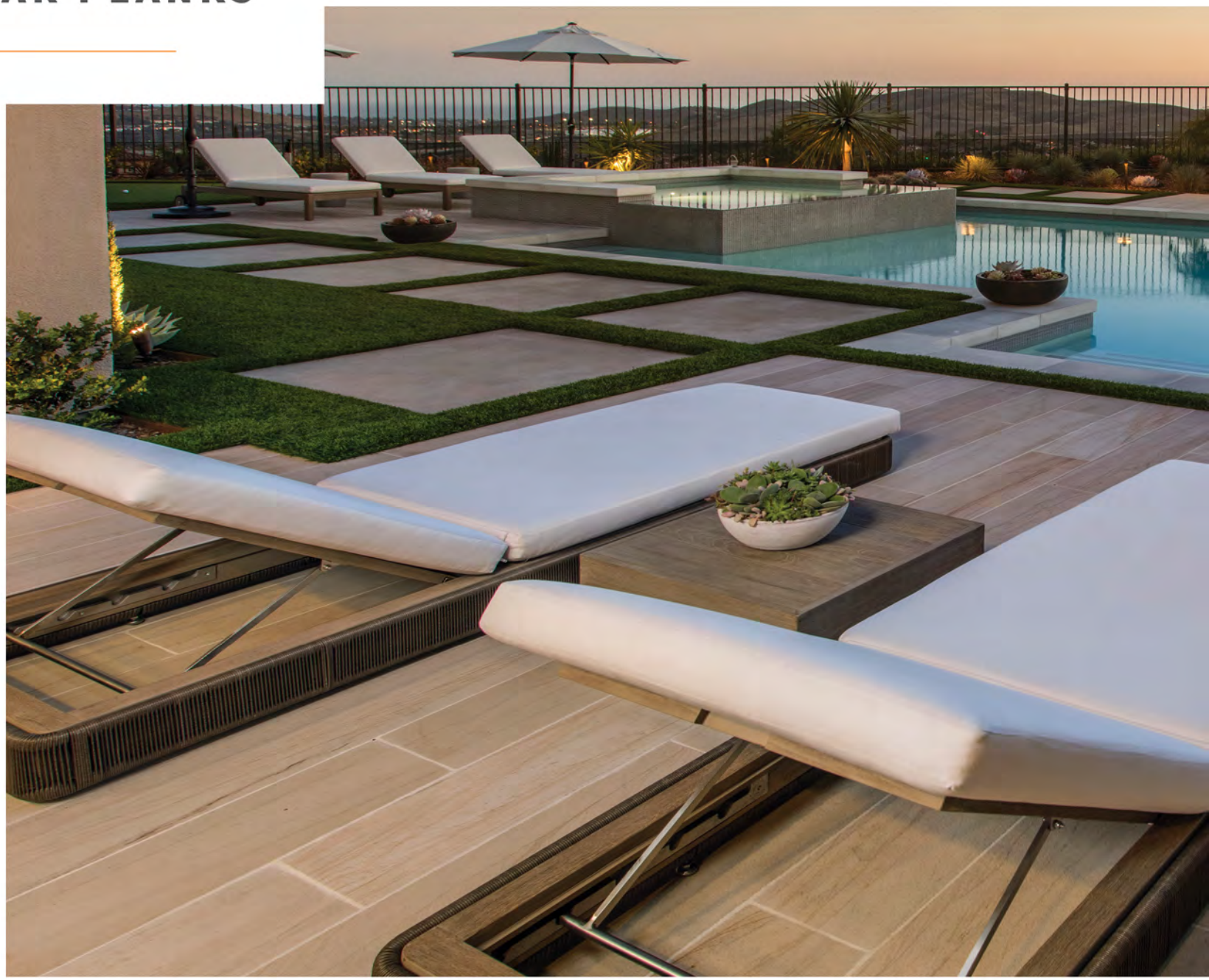
ORCO NATURAL STONE IS THE HIGHEST QUALITY QUARTZITIC SANDSTONE, SIGNIFICANTLY OLDER AND DENSER THAN TYPICAL SANDSTONES.





NATURAL STONE

LINEAR PLANKS



20 MM | FULL - 8" X 40", HALF - 8" X 20" | EDGE - SAWN | FINISH - CROSS CUT





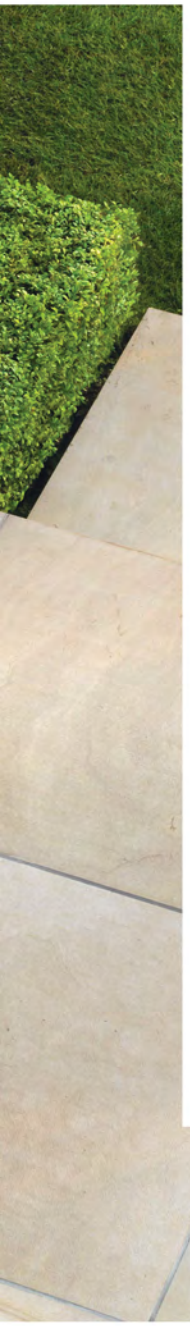
For color and texture options, see pages 79-80. Always verify color / texture with actual samples.

24 X 24



30 MM | 24" X 24" | EDGE - SAWN, NATURAL

PEDESTAL





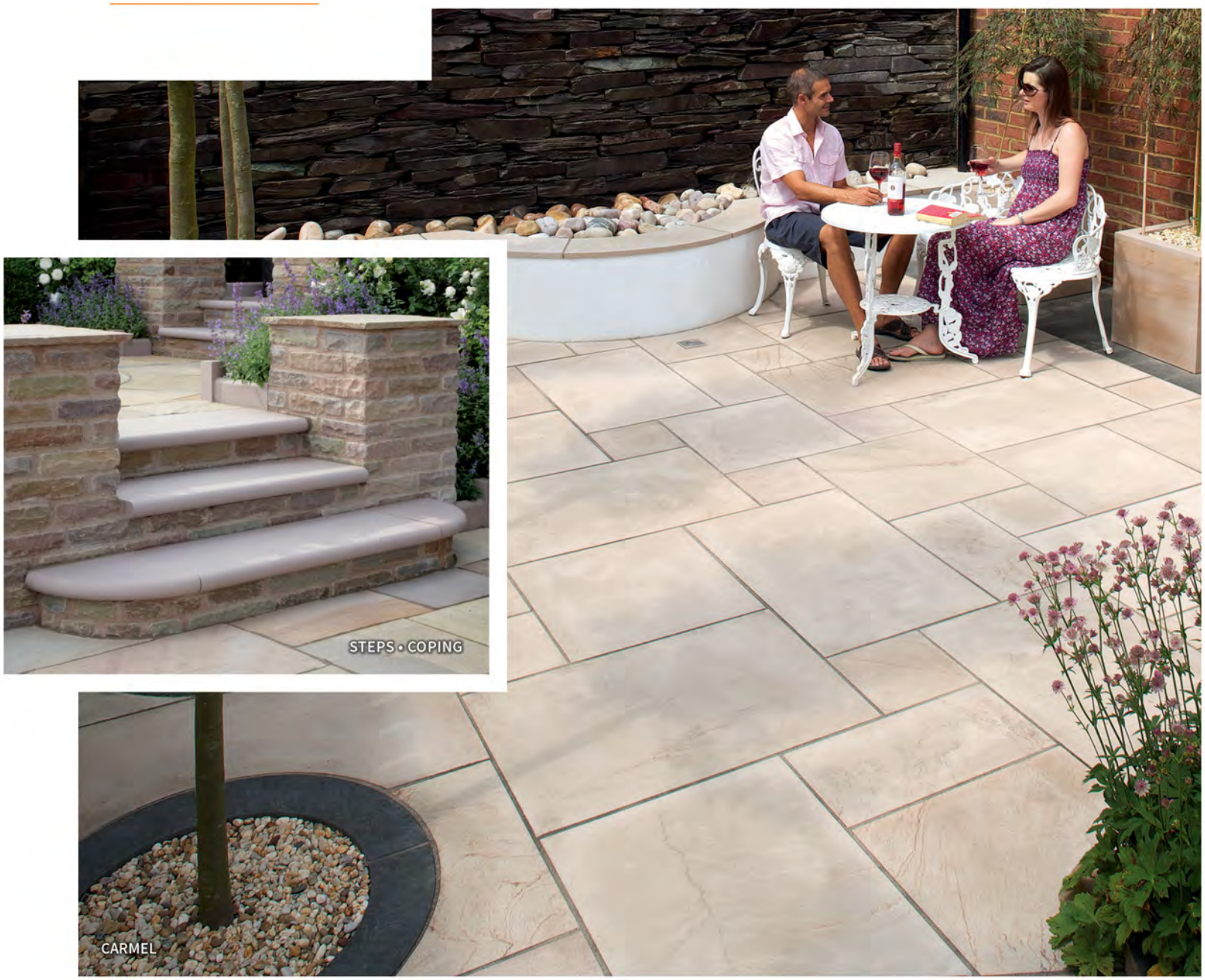
NOIR



For color and texture options, see pages 79-80. Always verify color / texture with actual samples.

PROJECT PACKS

5 SIZES ON A PALLET



22 MM | 22" X 33", 22" X 22", 16" X 22", 11" X 22", 11" X 11" | EDGE - SAWN, NATURAL

PROJECT PACKS

4 SIZES ON A PALLET



30 MM | 22" X 33", 22" X 22", 11" X 22", 11" X 11" | EDGE - SAWN

For color and texture options, see pages 79-80. Always verify color / texture with actual samples.

NATURAL STONE COLORS*



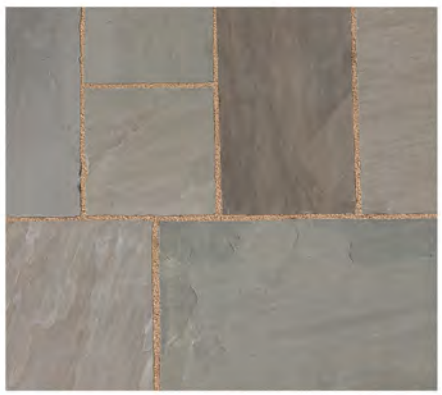
GOLDEN SUNSET (RIVEN)
24 x 24 | Project Pack - 5 sizes



SONOMA (ANTIQUE RIVEN)
Special Order Only



TRESTLES (SHOT BLAST/CLEAR BLAST)
Linear Planks - Full & Half



DRIFT WOOD (RIVEN)
24 x 24 | Project Pack - 5 sizes



LUNARE (ANTIQUE RIVEN)
Special Order Only)



NOIR (FLAMED/BRUSHED)
24 x 24 | Steps & Coping

***ORCO Natural Stone Color Names Include Finish**
With ORCO Natural Stone products, color is greatly influenced by the choice of finish. Each ORCO color name is tied to a specific color / finish combination.

Special Order
The products and colors highlighted are just a small portion of our Natural Stone product line. On a *special order* basis, ORCO has available many other colors, edge, and finish options - including wall cladding.



CALYPSO (SHOT BLAST/CLEAR BLAST)
Linear Planks - Full & Half | Steps & Coping



CARMEL (SHOT BLAST/CLEAR BLAST)
Linear Planks - Full & Half | Project Pack - 5 Sizes
Steps & Coping



BEACHSIDE (SHOT BLAST/CLEAR BLAST)
Linear Planks - Full & Half | Project Pack - 4 Sizes



HIGHLAND (ANTIQUE RIVEN)
PROJECT PACK - 5 SIZES



GRIGIO (SHOT BLAST/CLEAR BLAST)
Linear Planks - Full & Half



AUTUMN (ANTIQUE RIVEN)
24 X 24

NATURAL STONE EDGES



NATURAL



BULLNOSE



SAWN

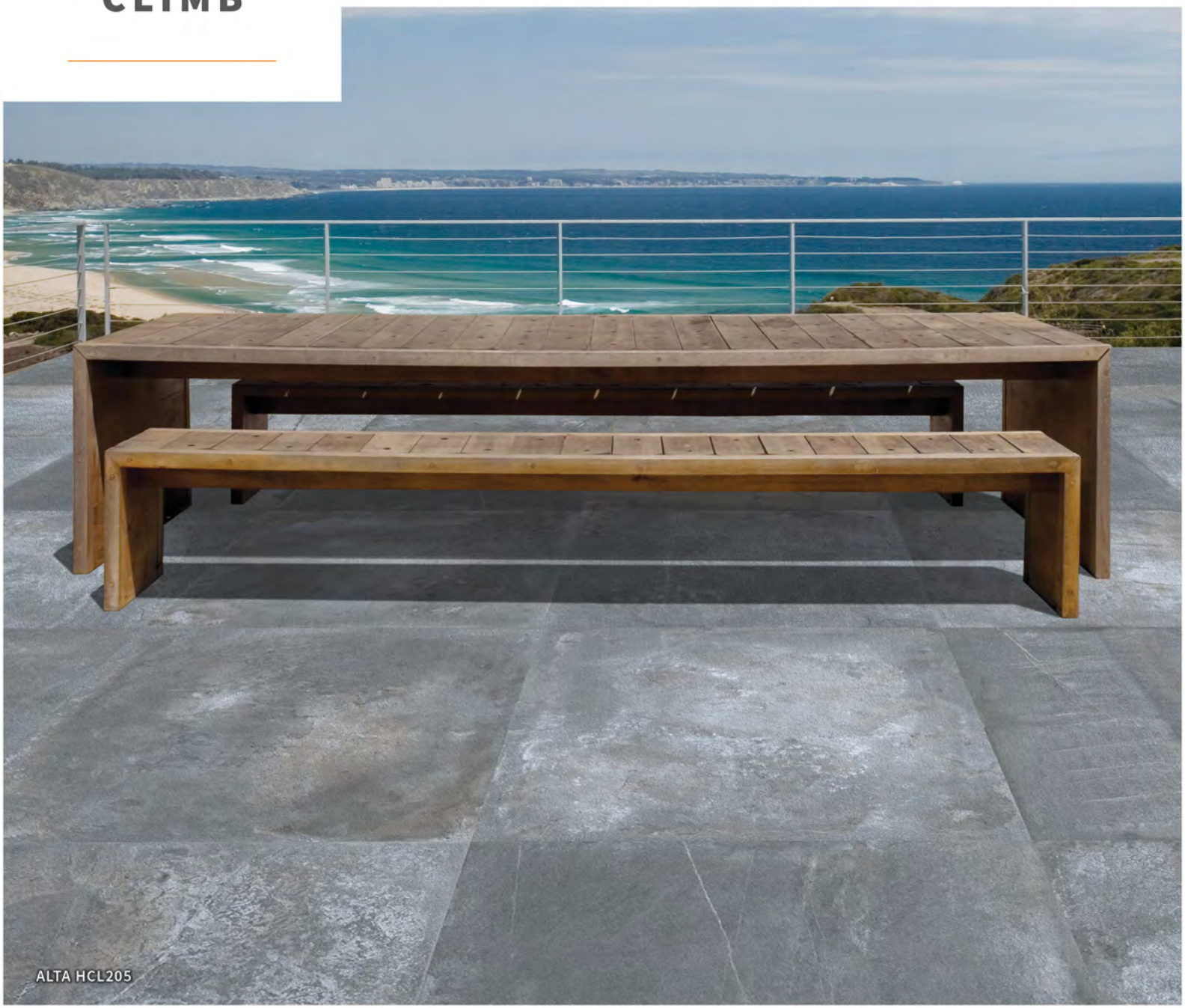
IMPORTED FROM ITALY, FEATURING AESTHETICS INSPIRED BY THE ITALIAN COUNTRYSIDE AND MOUNTAINS





PORCELAIN PAVERS

CLIMB



2 CM | 32" X 32" | MODERATE VARIATION | BREATH AND SCALE, PORTRAYING NATURAL STONE VEINING.

PEDESTAL

BOUTIQUE

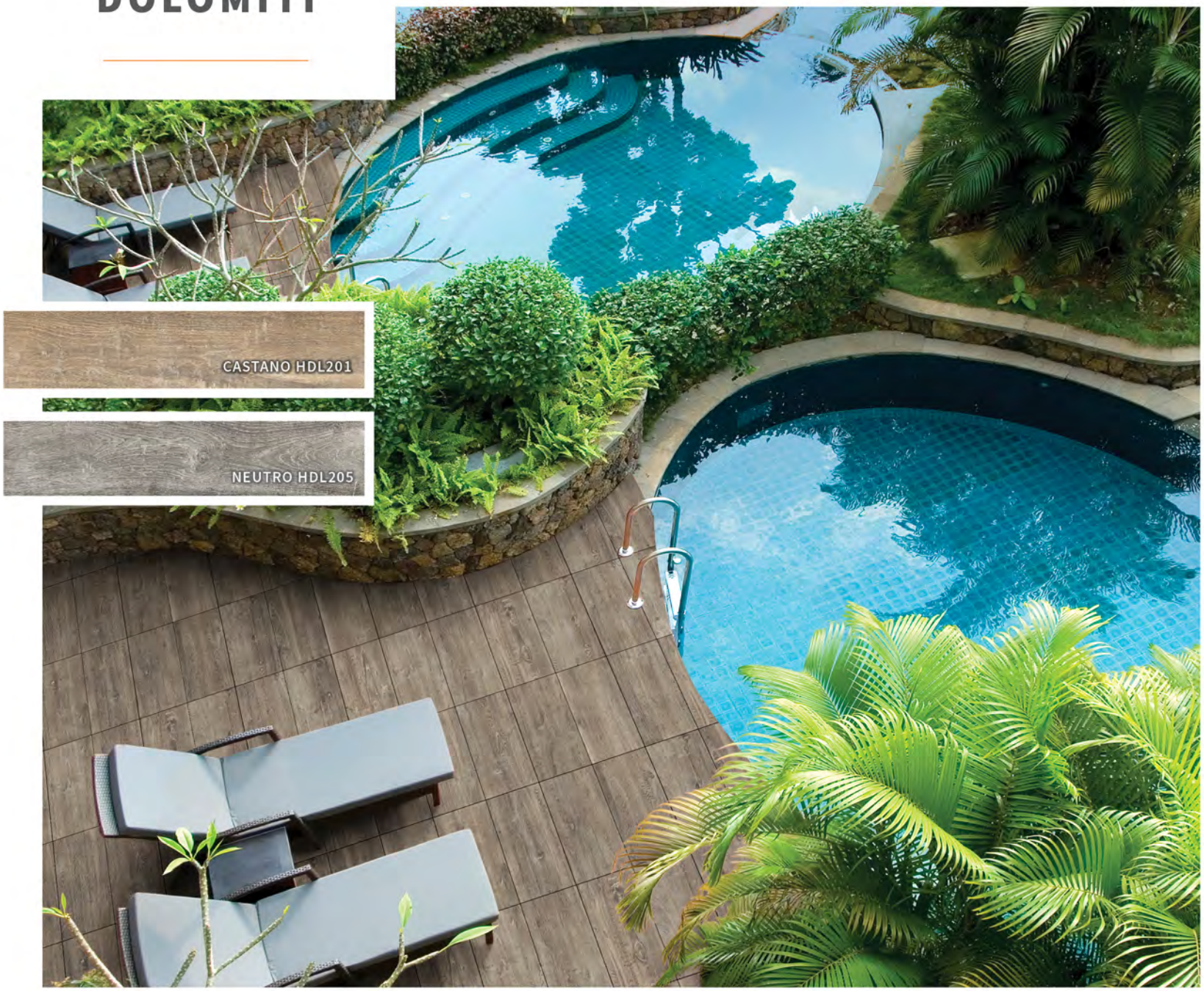


2 CM | 24" X 36" | MODERATE VARIATION | MINERAL VEINING - RICH BLACK AND MICA BASE COLOR OPTIONS.

PEDESTAL

Always verify color / texture with actual samples.

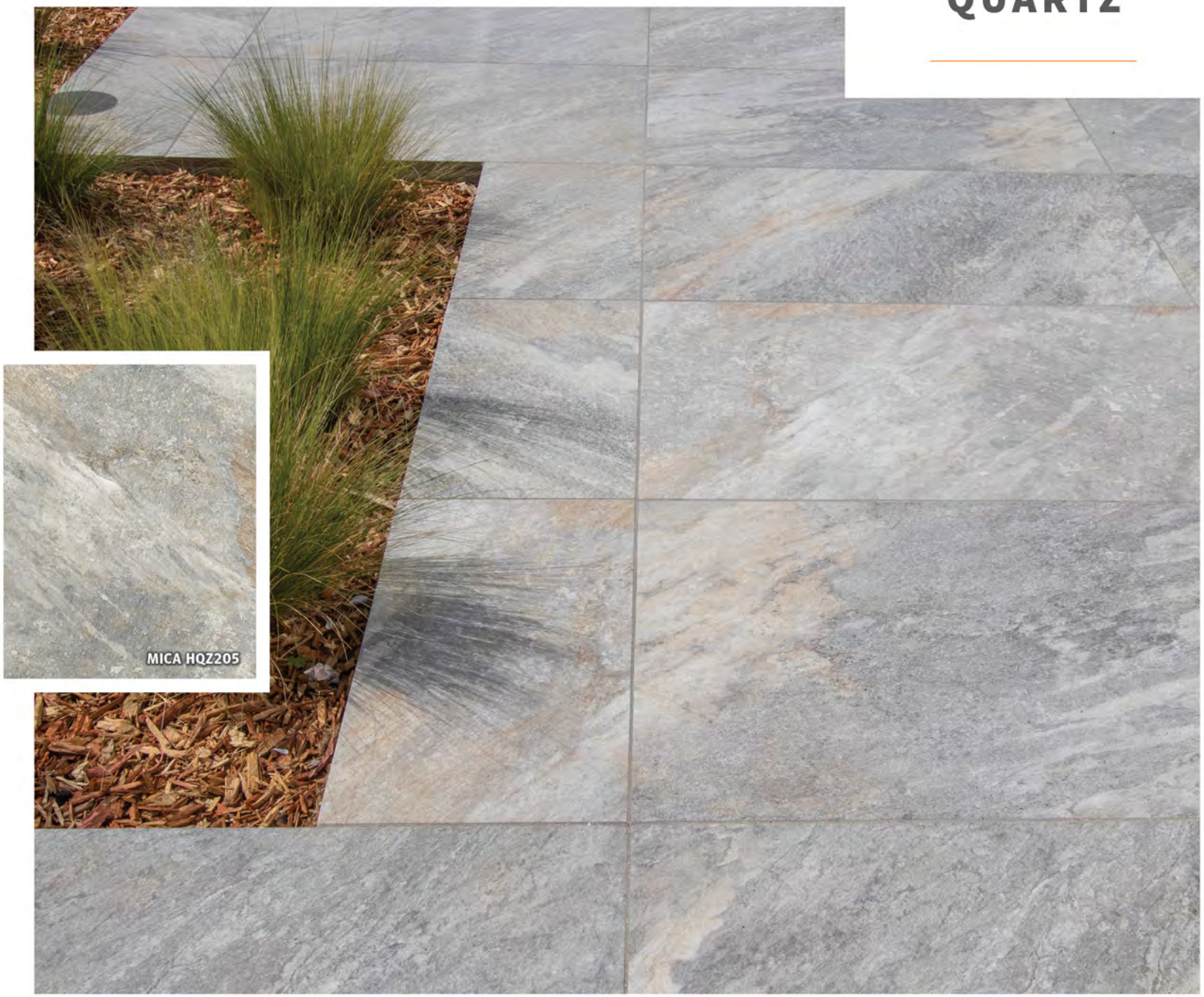
DOLOMITI



2 CM | 16" X 48" | MODERATE VARIATION | FROM ITALY'S DOLOMITE MOUNTAINS IN THE SOUTHERN ALPS.

PEDESTAL

QUARTZ



2 CM | 24" X 36" | MODERATE VARIATION | ANGULAR RIFT LINES CREATES MOVEMENT.

PEDESTAL

Always verify color / texture with actual samples.

DOGMA



2 CM | 24" X 48" | MODERATE VARIATION | SUBTLE VEINING CREATES A MODERN TAKE ON VEIN CUT MARBLE.

PEDESTAL

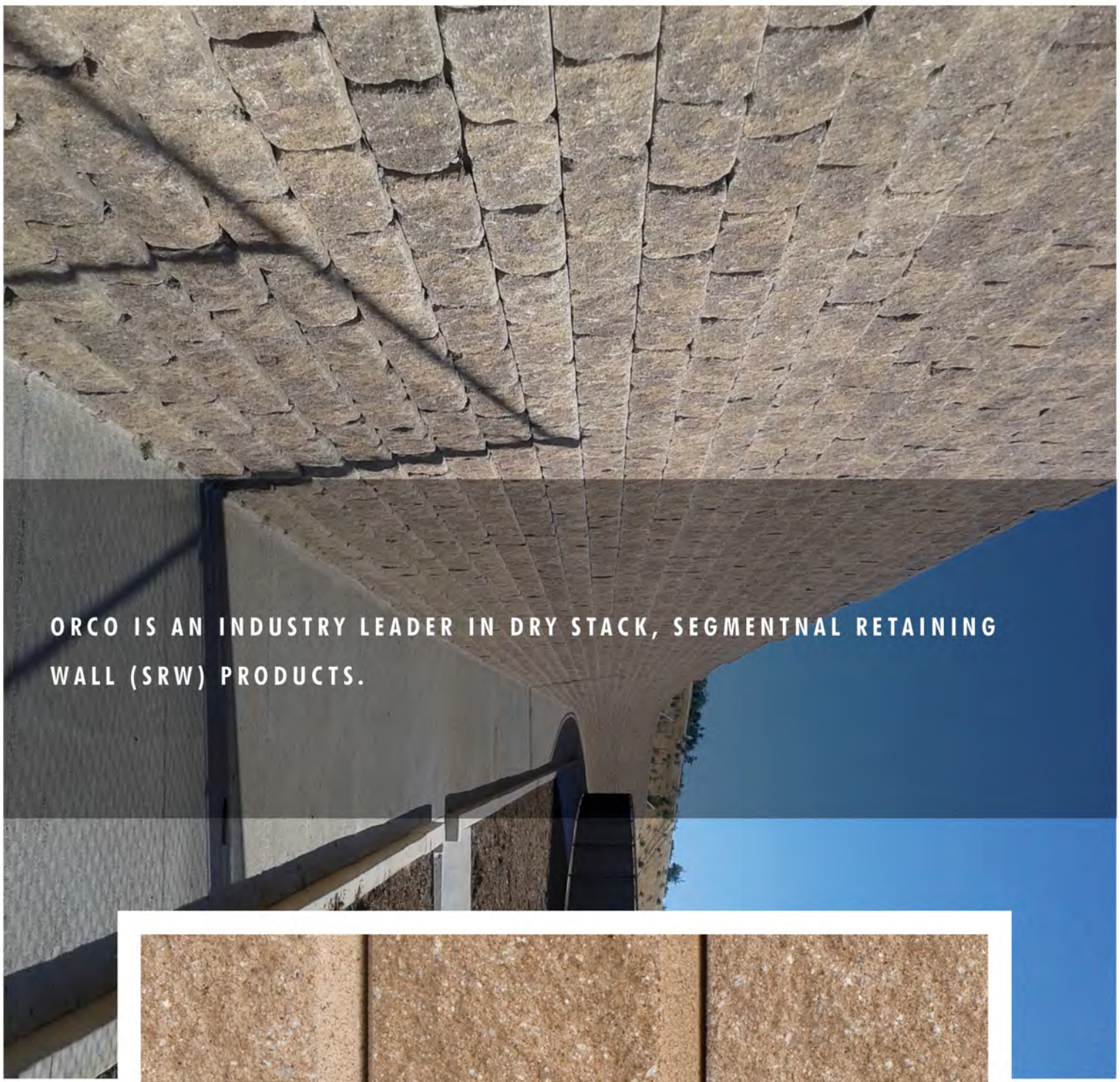
SOUL



2 CM | 24" X 24" | MODERATE VARIATION | HONED AESTHETICS WITHOUT THE LIMESTONE MAINTENANCE.

PEDESTAL

Always verify color / texture with actual samples.



ORCO IS AN INDUSTRY LEADER IN DRY STACK, SEGMENTNAL RETAINING WALL (SRW) PRODUCTS.

MORTARLESS WALLS (SRW)

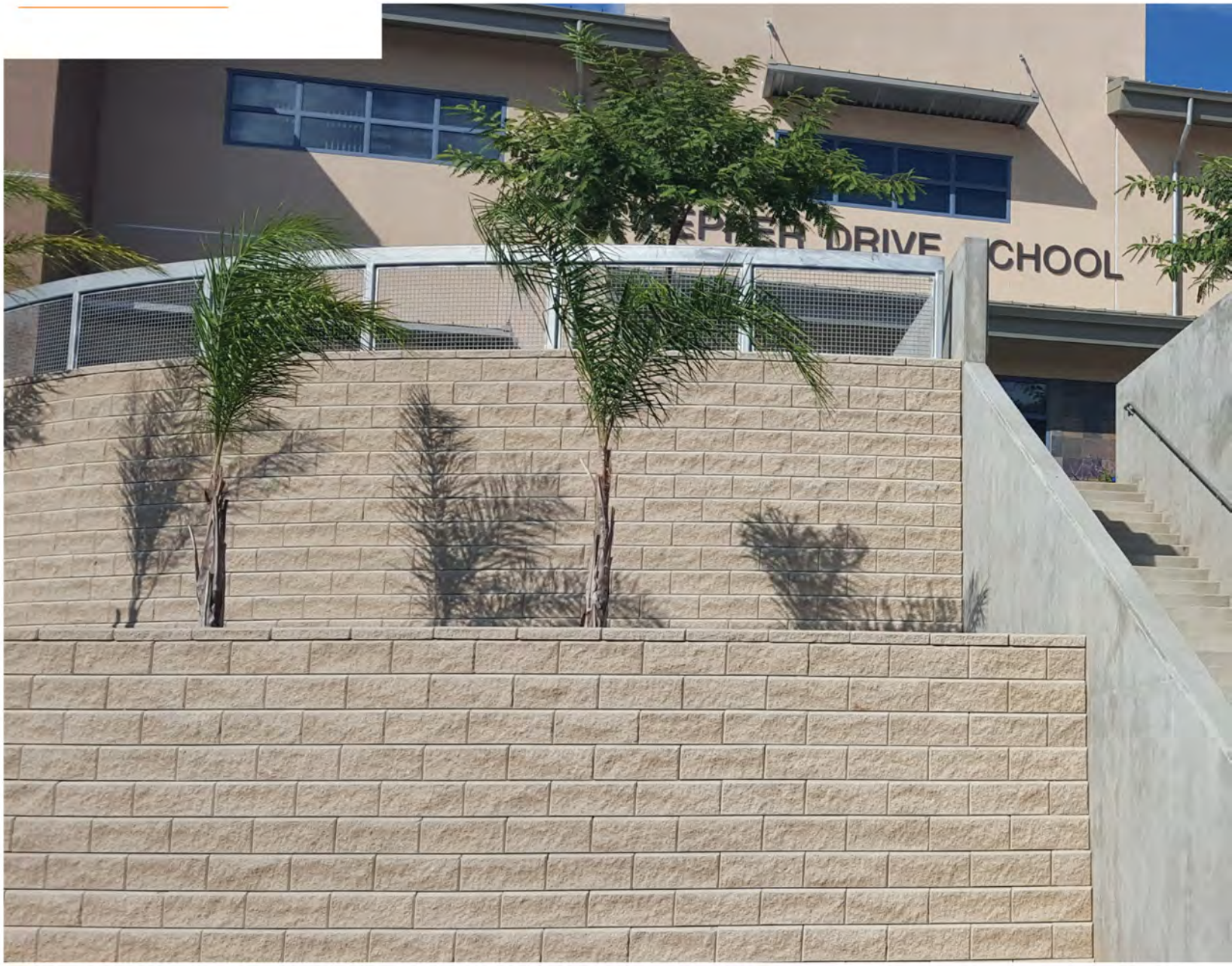


MORTARLESS WALLS

COMMERCIAL

AB ROCKS

AB STONES



AB CLASSIC

LGR6

AB VERTICAL





LGR 6 | TAN

AB CLASSIC | NATURAL GRAY

For additional info, see page 118. Always verify color / texture with actual samples.

MORTARLESS WALLS

COMMERCIAL



AB STONES | NATURAL GRAY





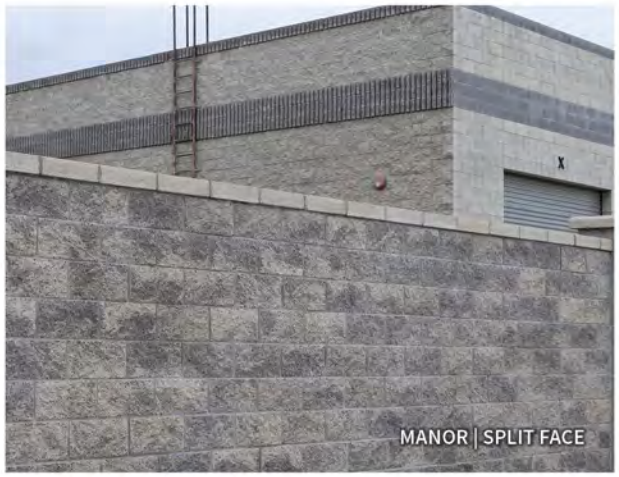




For additional info, see page 118. Always verify color / texture with actual samples.

VARIEGATED BLOCK

CMU & SRW



MANOR | SPLIT FACE

A HUGE LEAP FORWARD IN WALL COLOR TECHNOLOGY, ORCO'S VARIEGATED BLOCK BRINGS A NATURAL AND HOLISTIC ALTERNATIVE TO STANDARD WALL COLORS, STUCCO, AND VENEERS. ITS SUBTLE MOVEMENT BRINGS LIFE TO ANY WALL FINISH — PARTICULARLY SPLIT FACE AND PRECISION (CMU ONLY). ORCO OFFERS 4 STANDARD VARIEGATED COLOR BLENDS — BORREGO, TUSCANY, MANOR, AND VERSANTE. MANCHESTER IS ALSO AVAILABLE ON A SPECIAL ORDER BASIS.

TUSCANY | SPLIT FACE



BORREGO | PRECISION

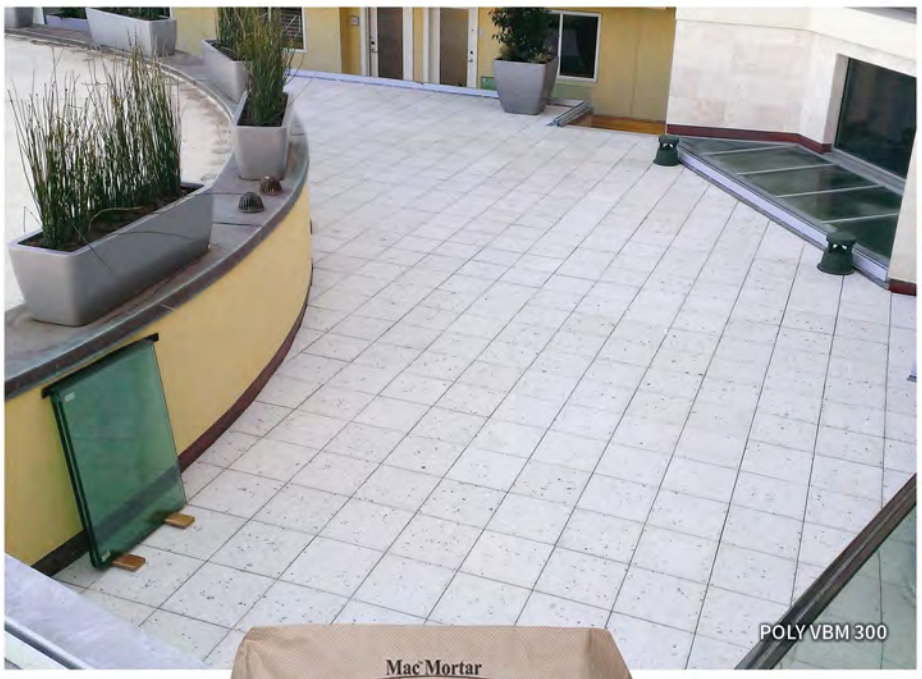
VERSANTE (SRW SHOWN) | SPLIT FACE

ADVANTAGES INCLUDE:

- PROVIDES NEW COLOR OPTIONS FOR CLIENTS
- ELIMINATES SECONDARY TREATMENT
- INSTALLS RIGHT OFF THE PALLET
- CREATES VARIEGATED COLOR WASH ON SMOOTH SURFACE

ORCO BLENDED PRODUCTS

BONDING MORTARS MASONRY MORTARS
WATERPROOFING / DAMP PROOFING



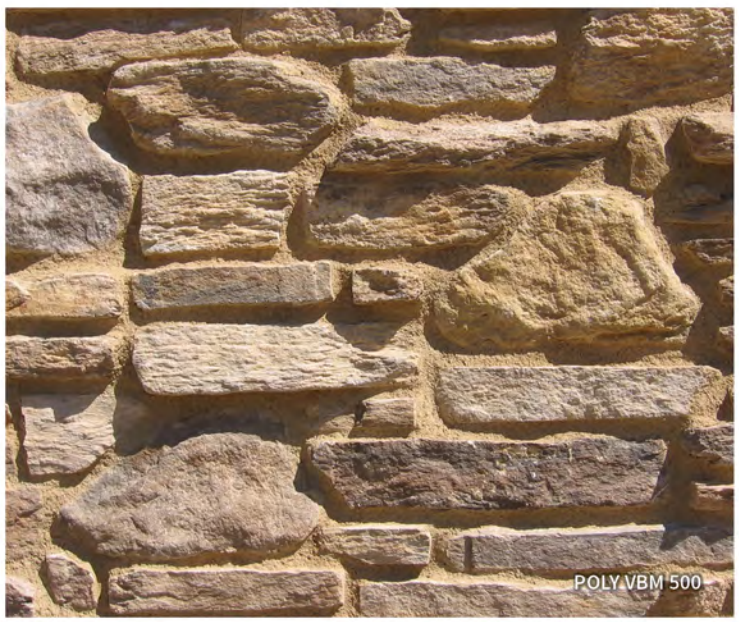


JOINT GROUTS CONCRETE MIX CEMENT

PLASTER / STUCCO LEVELING MORTARS

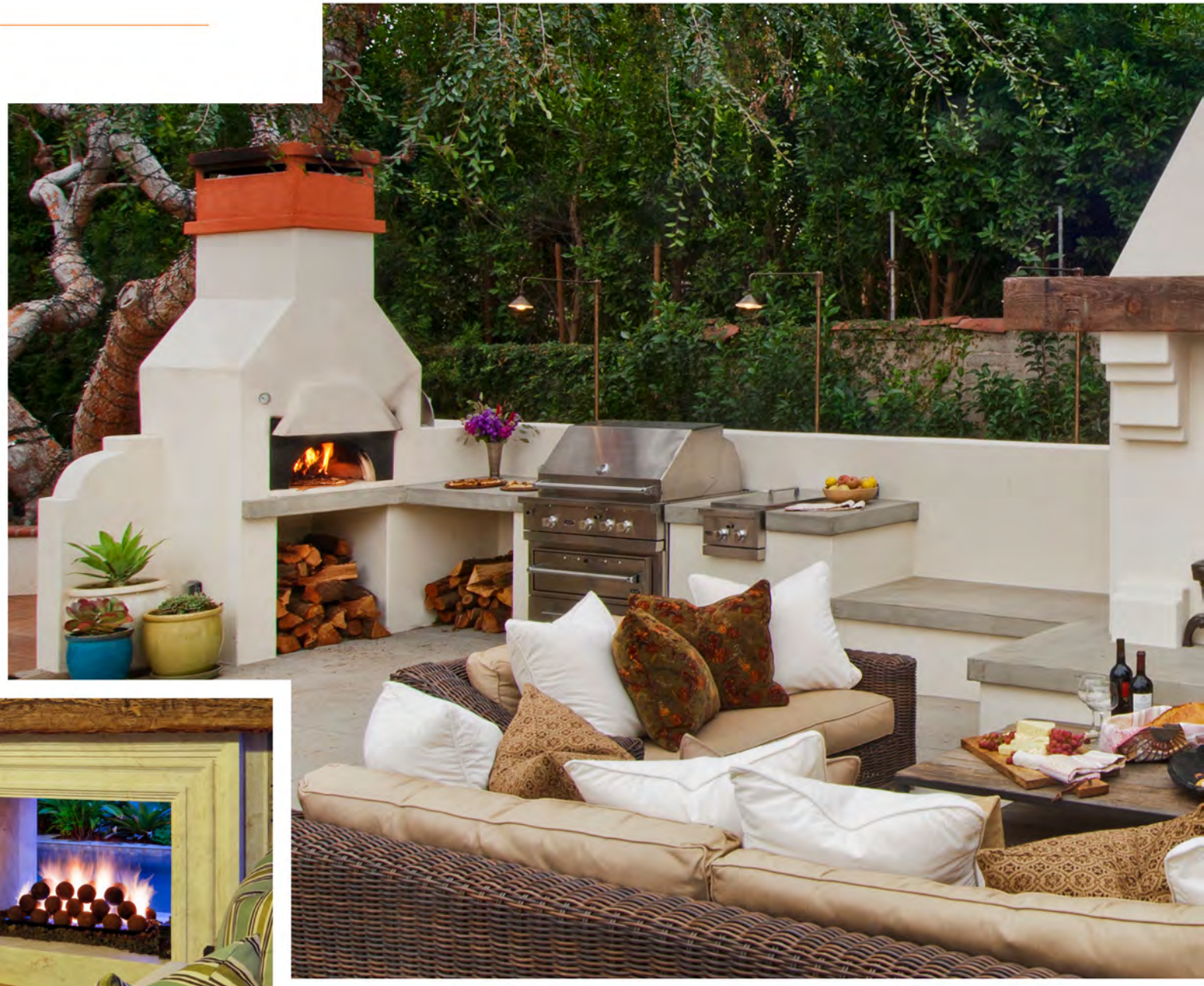

VBM BONDER


VBM


POLY VBM 500

See pages 121-122 for featured products. Visit orco.com for complete product line.

FIREPLACE KITS









For fireplace kit sizes and specs, see pages 123 – 124.

PROTECTIVE FURNITURE


LED BOLLARDS



IGNEO BENCH



PENCIL BOLLARDS

EOS BENCH

LANDSCAPE PROTECTION DOESN'T NEED TO COMPROMISE AESTHETICS. MAKING PEOPLE FEEL SAFE IS PARAMOUNT TO CREATING AN INVITING AND REGENERATIVE SPACE. HERE ARE SOME OF OUR SEATING AND PLANTERS THAT PROVIDE PROTECTION WHILE HIDDEN IN PLAIN SIGHT.

For additional info, see pages 125 – 126.


CHRIST CATHEDRAL
SISTINE
CHAPEL
EXHIBITION

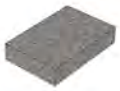


SPECIFICATIONS

COMMERCIAL PAVERS & SLABS

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish	Pedestrian / Auto / Truck
	3 x 9	80	2.95 x 8.85	82	450	2900	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
	4 x 4	60 / 80	3.94 x 3.94	114	1056	3089	Bevel Aged No Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB	80mm
	4 x 8	60 / 80	3.94 x 7.87 80mm machine lay available	124	576	3398	Bevel Micro Chamfer Aged No Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB	80mm
	4 x 12	60	3.94 x 11.81	121	384	3072	Bevel	Standard Shot Blast (SB) Burnish Burnish / SB	
	4 x 16	80	3.94 x 15.75	93	216	3290	Bevel No Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
	4 x 24	80	3.94 x 23.62	93	144	3218	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
	6 x 6	60	5.87 x 5.87	124	512	3021	Bevel	Standard Shot Blast (SB) Burnish Burnish / SB	
	6 x 12	60 / 80	5.87 x 11.75	124	256	3021	Bevel No Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	80mm
	6 x 24	80	5.90 x 23.62	93	96	3122	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	

COMMERCIAL PAVERS & SLABS

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish	Pedestrian / Auto / Truck
	8 x 8	60 / 80	7.87 x 7.87	124	288	3370	Bevel Aged No Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB	80mm
	8 x 12	60 / 80	7.87 x 11.81	124	192	3384	Bevel Aged No Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB	
	12 x 12	60 / 80	11.81x 11.81	124	128	3408	Bevel Aged No Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB	
	12 x 24	60 / 80	11.81 x 23.62	124	64	3466	Micro Chamfer (60mm) Bevel (80mm) No Chamfer (80mm)	Standard Shot Blast (SB) Burnish Burnish / SB	PEDESTAL
	24 x 24	60	23.62 x 23.62	124	32	3450	Micro Chamfer	Standard Slate	PEDESTAL

NEW EcoHex Sand Set (requires polymeric sand)

	9" Hexagon	80	9.06 Diameter	91	224 Full 32 Half	3050	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	

NEW MegaHex

	16" Hexagon	60	16.14 Diameter	70	50 Full 20 Half	1910	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	

NEW Chevron

	4 x 18	80	3.94 x 17.75	67	144	2354	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	

All measurements and weights are approximate and subject to change without notice.

COMMERCIAL PAVERS & SLABS

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish	Pedestrian / Auto / Truck
Antique Cobble									
	6 x 6	60 / 80	5.51 x 5.51	108	512	3021	Pillow	Standard Shot Blast (SB) Burnish Burnish / SB	 80mm
	6 x 8	60 / 80	5.51 x 8.27	122	384	3379	Pillow	Standard Shot Blast (SB) Burnish Burnish / SB	 80mm
Country Cobble									
	6 x 6	60 / 80	5.51 x 5.51	108	512	3021	Pillow	Standard Shot Blast (SB) Burnish Burnish / SB	 80mm
	6 x 8	60 / 80	5.51 x 8.27	122	384	3379	Pillow	Standard Shot Blast (SB) Burnish Burnish / SB	 80mm
Appian									
	6 x 6	70	6.30 x 6.30	91	336	2957	Pillow	Standard Shot Blast (SB) Burnish Burnish / SB	
	6 x 9	70	6.30 x 9.45	98	240	3168	Pillow	Standard Shot Blast (SB) Burnish Burnish / SB	
Diamante									
	6 x 13 Diamond	60	5.57 x 13.20	81	208	2280	Bevel	Standard Shot Blast (SB) Burnish Burnish / SB	

COMMERCIAL PAVERS & SLABS

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish	Pedestrian / Auto / Truck
NEW Truncated Domes (Federal Yellow, Black, Black Shot Blast, Red)									
	12 x 12	50	12 x 12	38	38	886	Bevel	Standard Shot Blast (SB)	
NEW EcoHex Permeable (requires OBP Permeable Chips)									
	9" Hexagon	80	9.06 Diameter	86	224 Full 32 Half	3050	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
Cascada Permeable (requires OBP Permeable Chips)									
	5 x 10	80	4.92 x 9.84	108	288 Full 64 Half	3520	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
Cascada Corte Permeable (requires OBP Permeable Chips)									
	5 x 10	80	4.92 x 9.84	108	288 Full 64 Half	3520	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
Attraverso (requires OBP Permeable Chips)									
	5 x 10	80	4.92 x 9.84	91	270	2835	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
Turfstone									
	16 x 24	80	15.66 x 23.50	124	48	2930	Straight	Standard Shot Blast (SB) Burnish Burnish / SB	

All measurements and weights are approximate and subject to change without notice.

COMMERCIAL PAVERS & SLABS

Express Set (5 Sizes on a Pallet: Available separately too)

80mm

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish
	4 x 4 4 x 8 8 x 8 8 x 12 12 x 12	60 & 80	3.94 x 3.94 3.94 x 7.87 7.87 x 7.87 7.87 x 11.81 11.81 x 11.81	118 & 95	280 & 224	3180 & 3386	Bevel Aged No Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB

Large Format Express Set (4 Sizes on a Pallet)*

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish
	4 x 16 12 x 12 12 x 16 12 x 24	60	3.94 x 15.75 11.81 x 11.81 11.81 x 15.75 11.81 x 23.62	112	24 ea	3110	Micro Chamfer	Standard Slate Shot Blast (SB) Burnish Burnish / SB

*With large slabs, ORCO strongly recommends pre-compacting bedding sand (with "fluffing" as necessary) prior to slab placement. Use of plate compactors on top of these slabs is a misapplication, which voids ORCO's breakage and warranty support provisions.

Tre Express Set (3 Sizes on a Pallet)*

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish
	5 x 10 10 x 10 10 x 15	80	5.25 x 10.50 10.50 x 10.50 10.50 x 15.75	64	24 18 36	2284	Aged No Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB

*With large slabs, ORCO strongly recommends pre-compacting bedding sand (with "fluffing" as necessary) prior to slab placement. Use of plate compactors on top of these slabs is a misapplication, which voids ORCO's breakage and warranty support provisions.

Complimentary Products

Joint Materials

- **OBP Joint Sand** - Kiln dried, satisfies ASTM C144. 90 lb sack.
- **Sur-Link Polymeric Sand** - Ideal for aged and scored pavers. For joints less than 1/2". 50 lb sack.
- **Gritlock Polymeric Sand** - Premium binder provides a wider range from 1/16" to 1" joints. Great for slopes. 50 lb sack.
- **BP Polymeric Stay Sand** - Designed for joints up to 1-3/16" on 60mm and 1-1/2" on 80mm Haze resistant formulation. 50 lb sack.
- **OBP Permeable Chips** - For permeable pavers. Larger, angular aggregate promotes water infiltration. Required for Cascada, Cascada Corte, Attraverso, and EcoHex. 2000 lb super sack.

Sealers + Cleaners

- **Enhanced Stabilizing Sealer** - Semi-gloss that enhances color. 1, 5, 55 gallon containers.
- **Natural** - Seals and stabilizes, yet provides a natural appearance. 1, 5, 55 gallon containers.
- **Wet Look** - Stabilizes and enriches colors with a wet appearance. Solvent based. 1, 5 gallon containers.
- **General Cleaner** - Eco-friendly concentrated cleaner. 1, 5 gallon containers.
- **Efflorescence Remover** - Removes efflorescence and mineral deposits. 1, 5 gallon containers.

Additional Products

- **R-Lastic** - Elastomeric membrane and adhesive. 5 gallon pail.
- **Hardscape Adhesive** - Construction glue. 1/4" bead approx coverage: 10 oz tube = 32', 28 oz tube = 89'.
- **Edge Restraint** - A plastic alternative to concrete set. One piece edge system for straight, curves and even radiuses. 8' sections; 10" spikes sold separately by the carton (150 per).
- **Base Material Rake** - Dual edge head. Magnesium construction provides lighter weight and longer life. 42", 4.2 lb.
- **Paver Extractor Tool** - For easier removal of installed pavers.

Important Considerations

Visit orco.com for the latest information – new products, shapes, colors, and textures. ORCO strongly recommends following the Interlocking Concrete Pavement Institute (ICPI) best practices for proper installation as well as using ICPI certified installers.

The names pavingstone and paver are used in this publication to refer to a broad line of segmental concrete paving products. ICPI classifies these products as pavers, slabs, and grids. ORCO manufactures ICPI classified pavers to meet or exceed the standards stated in the latest version of ASTM C936 (Standard Specification for Solid Concrete Interlocking Paving Units). Units classified by ICPI as slabs, are manufactured to meet or exceed the standards stated in the latest version of ASTM C1782 (Standard Specifications for Segmental Concrete Paving Slabs). Turfstone is classified as a grid paver by ICPI, which requires a minimum compressive strength of 5000 psi and a maximum water absorption of 10 lb/cu ft. 60 mm = 2.36", 80 mm = 3.15".

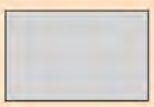
All measurements and weights are approximate and subject to change without notice.

COMMERCIAL PAVERS & SLABS

Solar Reflective Index

Color	Finish	SRI Value	Solar Reflectance
Ash	Standard	16	17.60%
Beige	Standard	21	21.40%
Beige	Shot Blast	25	24.00%
Beige	Burnish	28	26.10%
Blue	Standard	39	34.60%
Blue	Burnish	41	37.00%
Blue	Shot Blast	42	36.90%
Buff	Standard	22	22.00%
Buff	Shot Blast	33	30.30%
Buff	Burnish	30	28.20%
Charcoal	Burnish/Shot Blast	16	17.08%
Cream	Standard	28	26.30%
Cream	Burnish	40	36.10%
Dune	Standard	19	20.00%
Gray	Burnish	33	30.50%
Gray	Standard	28	27.00%
Gray	Shot Blast	33	30.40%
Solar Tan	Standard	38	34.40%
Solar Tan	Shot Blast	35	31.70%
Stone	Burnish	42	37.10%
Tusk	Standard	38	34.70%
Tusk	Burnish	45	39.10%
Tusk	Shot Blast	47	41.20%

PEDESTAL ROOF SYSTEM

Shape	Name (in)	Thickness (mm)	Approx Size (in)	Sq ft / Pallet	Stones / Pallet	Weight / Pallet (lbs)	Edge	Finish	Pedestrian / Auto / Truck
Pavers & Slabs									
	12 x 24	60	11.81 x 23.62	124	64	3466	Micro Chamfer	Standard Shot Blast (SB) Burnish Burnish / SB	
	24 x 24	60	23.62 x 23.62	124	32	3450	Micro Chamfer	Standard Slate Burnish	
Wood Tile									
	24 x 24 24 x 48	43	23.87 x 23.87 23.87 x 47.93	81	208	2280	Smooth Ribbed	Ipe Bamboo Cumaru	
Natural Stone									
	24 x 24	30	23.62 x 23.62	139.45	36	2273	Sawn	Golden Sunset Noir Autumn	
Porcelain									
	16 x 48	20	15.75 x 47.24	279	54	2606	Natural	Castano HDL201 Neutro HDL205	
	24 x 24	20	23.62 x 23.62	248	64	2315	Natural	Marfil HSU201	
	24 x 36	20	23.62 x 35.43	290.63	50	2778	Natural	Antracite HBO208 Erica HBO205 Mica HQZ205	
	24 x 48	20	23.62 x 47.24	201.5	26	1936	Natural	Crema HDG215	
	32 x 32	20	31.50 x 31.50	179.11	28	1753	Natural	Alta HCL205	

For additional pedestal options, please contact ORCO.

All measurements and weights are approximate and subject to change without notice.

PEDESTAL PARTS & INSTALLATION

Understanding **Versadjust** Installation Details

The Versadjust, adjustable V-Series, Pedestal line reaches heights from 2 ¼" to 36" (57.15 to 914.4 mm), has a 1250 lbf FS:3 weight bearing capacity, and contains built in base levelers to compensate for 0" to 1/2" per foot slope (0-4%). Precise spacer tabs maintain uniform paver spacing and allow for deck drainage, and the screw-to-adjust height setting assures a perfectly level deck. The Bison Versadjust Pedestal has a broad footprint that provides stability, is impervious to freeze thaw cycles, and offers a range of heights suited to almost any application. Made in the USA.

The Versadjust Quick Clip Coupler © (patent pending) increases speed and efficiency installing pedestals at heights over 9" (228.6 mm). Accessories are available to compensate for additional slope (up to 1" per foot or 8%) and for low height applications from 1/8" to 2 ¼" (3.175 to 57.15 mm).

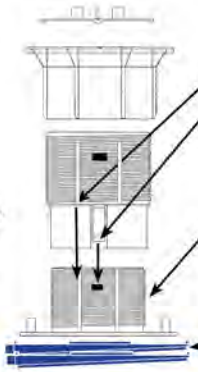
Use the Bison Brace System with Versadjust Pedestals for extended cavity height installations from 24" to 36" (609.6 to 914.4 mm) or for installations where additional stability is deemed necessary.

VT Spacer Tab

(Specify tab width when ordering)
VT316 - 3/16" (4.5 mm) standard
VT18 - 1/8" (3.175 mm) optional
Place spacer tab on top of pedestal.
To remove tabs, strike spacer tabs with hammer on edge.

V-Series Top

Comes screwed into V-Series Base. Unscrew top until thread engagement indicators are felt and heard. DO NOT extend beyond this point except to add a VC2 Quick Clip Coupler to a V4 Pedestal.



VC2 Quick Clip Coupler (Works with Model V4 only)

To Assemble:
Align lines on coupler and base.
Align tab with quick clip slot.
Slide together until tab locks into place.
To Separate:
Hook VC2 Quick Clip Coupler Release Tool into slots on the side of the pedestal base or coupler, detach tool, and pull apart.

V-Series Base

Comes screwed into V-Series Top. Unscrew top until thread engagement indicators are felt and heard. DO NOT extend beyond indicators except to add an VC2 Quick Clip Coupler to a V4 Pedestal.

VB Base Leveler

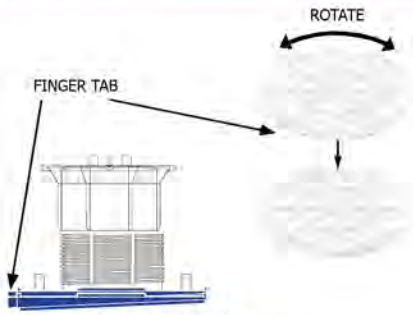
Built-in base provides 0" - 1/2" per foot slope compensation (0-4%).

Built In Slope Base Compensation

Each V-Series Pedestal comes with a VB Base Leveler that compensates for up to 1/2" per foot slope (4%).

Slope Adjustment:
Point both finger tabs downhill for 1/2" per foot slope (4%). Rotate base pieces for precise slope compensation.

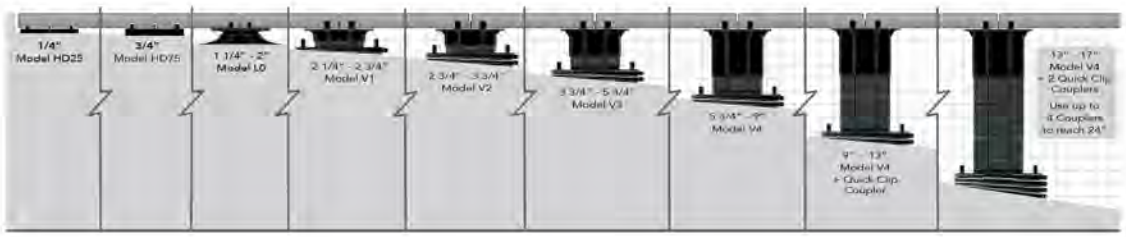
To Create a Flat Base:
Position finger tabs opposite one another.



AS SHOWN: 2x LD4s COMPENSATING FOR 1/2" PER FOOT SLOPE (4%)

To remove VB Base Leveler, slide pedestal base out of VB Base Leveler.

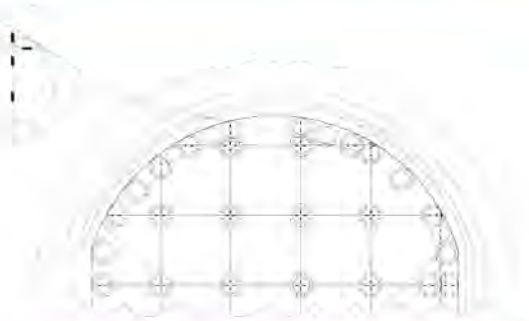
For additional slope compensation, a maximum of 2 additional LD4 Base Levelers can be used with the V-Series Pedestals adding an additional 1/2" per foot slope (4%) for a total of 1 inch per foot slope (8%). Each LD4 adds 1/4" (6.35 mm) to the overall height of the pedestal.



PEDESTAL PARTS & INSTALLATION

A2 Radius Placement

- Use extra pedestals under small cut pieces for additional support.
- Adhere small pavers to top of pedestal with construction adhesive.
- Remove tabs as necessary for perimeter pedestals.
- Turn pedestals upside down or trim pedestal bases as necessary to fit around the perimeter.
- Decking pavers must not be spaced more than 3/16" (4.5 mm) from the perimeter containment.
- Adhere tabs into place with construction adhesive to maintain spacing between pavers when normal tab placement is not possible.



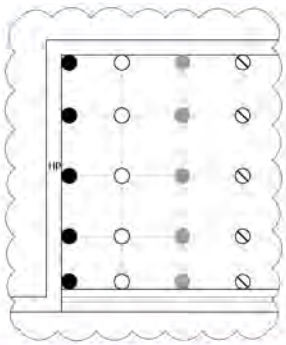
A3 Low Elevation Placement

For low cavity heights the following pedestals are available:

LOW HEIGHT PEDESTALS		
MODEL:		**HEIGHT:**
VT18 or VT316	●	1/8" (3.175 mm)
HD25-18 or HD25-316	○	1/4" (6.35 mm)
HD50-18 or HD50-316	◍	1/2" (12.7 mm)
HD75-18 or HD75-316	⊘	3/4" (19.05 mm)
LO-18 or LO-316	⊗	1¼ - 2" (31.75 - 51 mm)

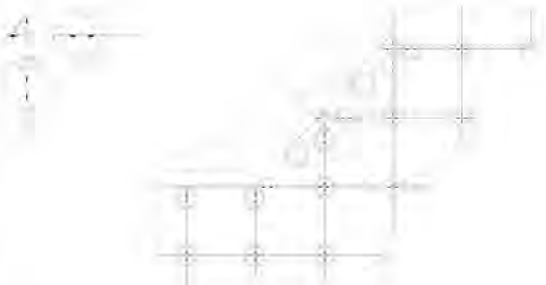
Shims can also be used to accomodate variations in height:

- 1/16" (1.588 mm) B11 Shim
- 1/8" (3.175 mm) PS1 Shim



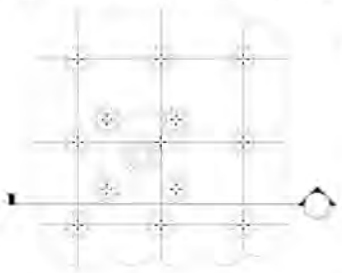
A4 Diagonal Placement

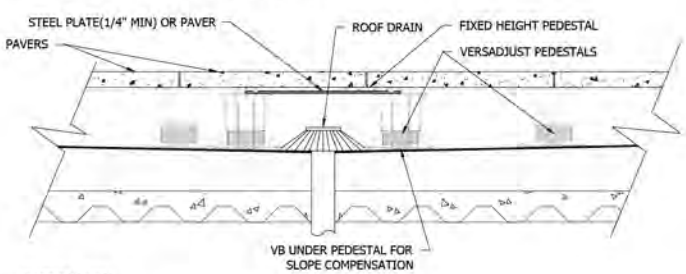
- Use extra pedestals under small cut pieces for additional support.
- Adhere small pavers to top of pedestal with construction adhesive.
- Remove tabs as necessary for perimeter pedestals.
- Turn pedestals upside down or trim pedestal bases as necessary to fit around the perimeter.
- Decking pavers must not be spaced more than 3/16" (4.5 mm) from the perimeter containment.
- Adhere tabs into place with construction adhesive to maintain spacing between pavers when normal tab placement is not possible.



A5 Drain Placement

- Elevate a steel plate or spare paver above the drain but below the deck itself.
- Use that elevated paver to support a pedestal where you need for the deck above.





SECTION VIEW

ORCO NATURAL STONE

Linear Planks - Full and Half

For patio, outdoor living, walkways, pools, and overlay on decks.

Shape	Size (in)	Thickness (mm)	Quantity / Pallet	Sq Ft / Pallet	Weight/ Pallet (lb)	Edge	Color / Texture
	7.87 x 39.37	20	80 Sold in full pallet quantities.	172.16	1870	Sawn	Carmel Calypso
	7.87 x 19.69	20	160 Sold in full pallet quantities.	172.16	1870	Sawn	Trestles Grigio
	7.87 x 39.37	20	90 Sold in full pallet quantities.	193.68	2103	Sawn	Beachside
	7.87 x 19.69	20	180 Sold in full pallet quantities.	193.68	2103	Sawn	

Piazza 24 x 24 Squares - Sawn and Natural Edges

Natural Edge units are great in patio, outdoor living and pool spaces. Sawn Edge units feature clean cut edges for a more modern look. Sawn Edge units are recommended for Pedestal Mount installations.

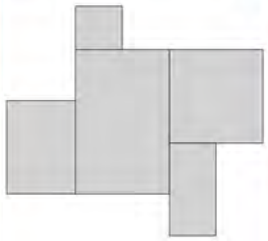
Shape	Size (in)	Thickness (mm)	Quantity / Pallet	Sq Ft / Pallet	Weight/ Pallet (lb)	Edge	Color / Texture
	23.62 x 23.62	30	36 Sold in full pallet quantities.	139.45	2273	Sawn	Golden Sunset Noir Autumn
	23.62 x 23.62	30	36 Sold in full pallet quantities.	139.45	2273	Natural	Golden Sunset Drift Wood

ORCO NATURAL STONE

Shape	Size (in)	Thickness (mm)	Quantity / Pallet	Sq Ft / Pallet	Weight/ Pallet (lb)	Edge	Color / Texture

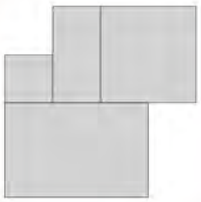
Project Packs - 5 Distinct Sizes on One Pallet

For patio, outdoor living, large pedestrian space, and use around swimming pools.

	22.05 x 33.27	22	12	163.87	2134	Natural	Golden Sunset
	22.05 x 22.05		12			Natural	Drift Wood
	16.42 x 22.05		12			Natural	Highland
	10.83 x 22.05		13			Sawn	Carmel
	10.83 x 10.83		13				
				Sold in full pallet quantities.			

Project Packs - 4 Distinct Sizes on One Pallet

Ideal for patio, outdoor living, large pedestrian space, and use around swimming pools.

	22.05 x 33.27	30	10	125.89	2013	Sawn	Beachside
	22.05 x 22.05		13				
	10.83 x 22.05		11				
	10.83 x 10.83		10				
				Sold in full pallet quantities.			

Steps & Coping

For use as stair treads, wall coping and pool coping. Sold by the piece or by the pallet.

	13.78 x 39.37	50	20	65.5	2161	Bullnose	Carmel Calypso Noir

Step Pack

Three piece bullnose pack. 1 center plus 2 end quadrants. Provides a finished step effect. Sold by the pack or by the pallet.

	(1) 13.78 x 39.37 (2) 13.78 x 13.78	50	10	41.3	1984	Bullnose	Carmel Calypso Noir

All measurements and weights are approximate and subject to change without notice.

ORCO NATURAL STONE

Special Order

- Wide Variety of Sizes and Thicknesses
- Natural Edge Steps/Coping
- Radius Shapes
- Antique Finish
- Flamed Finish
- Honed Finish

Installation Guide

For best practices, please refer to the ORCO Natural Stone Installation Guide available at orco.com.

Why Consider ORCO Natural Stone?

Premium Cut Stone

- Exceptionally beautiful colors and veining with a wide variety of texture, edge, and finish options, plus matching steps & coping.
- Precisely cut and calibrated – With a plus or minus 2 mm variance, it's easy to install in a wider variety of applications...including pedestal mounts.
- Sourced from India, our sandstone and quartzite are significantly older and denser than typical sandstones.
- Low water absorption – Less porous than other sandstones, which helps limit organic growth, minimizes delamination, and provides excellent performance in freeze / thaw environments.
- High flexural strength – Documented lab tests prove high flexural capabilities, which are critical in applications like decking, pedestals, etc.

Stone Cleaners and Sealers

ORCO supports our natural stone product line with cleaners and sealers designed for this specific stone. United Stonecare cleaners and sealers have a long history of protecting this high-end quality stone in applications throughout the world. These products are unique and certainly not the same as readily available DIY products, which can create more problems – rather than solve them.

For more information, visit unitedstonecare.com. While on this site, check the box for ORCO and you will see cleaning and sealing recommendations for each type of ORCO Natural Stone. In addition, United Stonecare offers customized support that allows users to upload photos of any problem they may encounter and receive back site specific recommendations direct from United Stonecare experts.

MORTARLESS WALLS

Name	Approx Size (in) H x L x D	Batter (setback)	Block / Pallet Full | Half		Coverage (sq ft) Full | Half | Piece			Weight / Pallet (lbs) Full | Half		Standard Colors
AB Standards										
AB Rocks	7.63 x 17.63 x 11.75	6°	40	n/a	37.2	n/a	.93	3050	n/a	Natural Gray Tan
Radius - rounded face; **Split Face** - hard split										
AB Stones	7.63 x 17.63 x 11.75	12°	40	n/a	37.2	n/a	.93	3050	n/a	Natural Gray Tan
AB Classic	7.63 x 17.63 x 11.75	6°	40	n/a	37.2	n/a	.93	3050	n/a	Natural Gray, Tan, Variegated
Bevel - chamfered edges frame each block creating depth; **Split Face** - hard split										
ORCO Standards - LGR = Landscape, Garden, Retaining										
LGR6 Wall	6 x 16 x 10.5	6°	60	n/a	40.0	n/a	.666	3350	n/a	Natural Gray, Tan, Otay Brown, Charcoal
Chevron - slightly pointed; **Split Face** - hard split										
LGR6 Cap	3 x 16/12 x 11.25	n/a	72	n/a	83.5 LF	n/a	1.16 LF	2714	n/a	Natural Gray, Tan, Otay Brown, Charcoal
Cut - 90° edges and flat face; **Split Face** - hard split										
Specialty Wall Block - Special Order Only. Contact ORCO for Pricing and Availability. Mold Charges Apply.										
AB Vertical	7.63 x 17.63 x 11.75	3°	40	n/a	37.2	n/a	.93	3050	n/a	Natural Gray Tan
Bevel - chamfered edges frame each block creating depth; **Split Face** - hard split										

Critical Design and Construction Considerations

- Mortarless Wall products may require special installation, including soil testing and engineering based on height, site conditions and/or local ordinances. ORCO assumes no liability for improperly built walls.
- For reinforced segmental retaining walls (SRWs) applications, ORCO strongly encourages following the National Concrete Masonry Association's (NCMA's) **Segmental Retaining Walls Best Practices Guide for the Specification, Design, Construction, and Inspection of SRW Systems,** which is available at no charge from ncma.org.
- On smaller projects, when there is no site engineer, refer to NCMA's **Design Manual for Segmental Retaining Walls** and other industry resources — like Allan Block.
- The use of geogrid reinforcement is strongly recommended on retaining walls. Consult your local engineer prior to design for applicability to your project.
- Allan Block and ORCO walls have height limitations. Contact your ORCO sales representative for literature from the appropriate licensor regarding wall design and construction details.
- ORCO manufactures mortarless wall block - aka Segmental Retaining Wall (SRW) block - to meet or exceed the standards stated in the latest edition of ASTM C1372, **Standard Specification for Dry-Cast Segmental Retaining Wall Units**. Excludes cap/capstone and Molti Stone.

All measurements and weights are approximate and subject to change without notice.

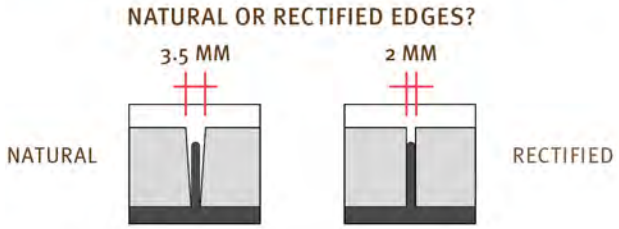
ORCO PORCELAIN PAVING

Shape	Size (in)	Thickness (mm)	Quantity / Pallet	Sq Ft / Pallet	Weight/ Pallet (lb)	Edge	Color / Texture
Climb							
	31.50 x 31.50	20	26	179.11	1753	Natural	Alta HCL205
			Sold in full pallet quantities.				
Boutique							
	23.62 x 35.43	20	50	290.63	2778	Natural	Erica HBO205 Antracite HBO208
			Sold in full pallet quantities.				
Dolomiti							
	15.75 x 47.24	20	54	279	2606	Natural	Castano HDL201 Neutro HDL205
			Sold in full pallet quantities.				
Quartz							
	23.62 x 35.43	20	50	290.63	2778	Natural	Mica HQZ205
			Sold in full pallet quantities.				
Dogma							
	23.62 x 47.24	20	26	201.5	1936	Natural	Crema HDG215
			Sold in full pallet quantities.				
Soul							
	23.62 x 23.62	20	64	248	2315	Natural	Marfil HSU201
			Sold in full pallet quantities.				

Solar Reflective Index

Color	Finish	SRI Value	Solar Reflectance
Mica	Porcelain	47	41.90%
Alta	Porcelain	44	39.60%
Erica	Porcelain	43	38.40%

ORCO PORCELAIN PAVING



Natural Edge porcelain pavers are designed for outdoor spaces, allowing for easier installation of grout and polymeric sand in mortar set applications. Keep in mind, common outdoor applications feature pavers separated by grass and larger aggregates. These applications are perfect for a Natural Edge.

So when is a Rectified Edge a better choice? Pedestal installations, where crisp edges are critical to spacer performance. Rectified Edges are available for most ORCO porcelain products on a special order basis. Please contact your ORCO representative for availability.

TESTING

COLLECTION NAME	MANUFACTURING SPECIFICATION	CHEMICAL RESISTANCE ASTM C650 / 1378	FROST RESISTANCE ISO 10545.12	WATER ABSORPTION ASTM 373	SLIP RESISTANCE WET ANSI A137.1-2017
CLIMB	ANSI A137.1-2017	Grade A / Grade A	Resistant	Impervious	≥ 0.42
BOUTIQUE	ANSI A137.1-2017	Grade A / Grade A	Resistant	Impervious	≥ 0.42
DOLOMITI	ANSI A137.1-2017	Grade A / Grade A	Resistant	Impervious	≥ 0.42
QUARTZ	ANSI A137.1-2017	Grade A / Grade A	Resistant	Impervious	≥ 0.42
DOGMA	ANSI A137.1-2017	Grade A / Grade A	Resistant	Impervious	≥ 0.42
SOUL	ANSI A137.1-2017	Grade A / Grade A	Resistant	Impervious	≥ 0.42

Special Order

The products highlighted in this specifier guide cover just a small portion of Del Conca's Italian porcelain product line. On a special order basis, ORCO has available many other size, color, texture, and finish options, including 1cm thick product to match indoor with outdoor décor.

Installation Guide

For best practices, please refer to the ORCO Porcelain Installation Guide available at orco.com.

Porcelain Standards

ORCO porcelain paving products are manufactured by Del Conca to satisfy requirements of ANSI A137.1-2017 *American National Standard Specifications for Ceramic Tile.* Installation methods are based on recommendations from Tile Council of North America (TCNA) and ANSI/CTI A108.1 *Installation of Ceramic Tile – Wet Set or Dry Set Methods.*

ORCO BLENDED PRODUCTS (OBP)

For over 20 years, ORCO Blended Products has been an industry leader in bonding mortars, water repellency, and efflorescence control. We offer a complete line of hardscape and masonry mortars, providing good, better, best performance options to match with your specific project requirements. Raw materials, polymers, and other additives are carefully selected and field tested to ensure excellent workability, bonding strength, non-sag performance, and low shrinkage. Products are tested according to applicable ASTM and ANSI standards. Our most popular products include:

Bonding Mortars:

Medium / Thick Bed

VBM (Veneer Bonding Mortar): A versatile bonding mortar. The bond strength is typically stronger than the substrate. Less water repellency than polymer modified VBMs.

VBM- Poly LFT (Large Format Tile): Developed specifically for large format tile, stone, masonry veneer, and paver applications. Water retention and tack performance is between thick and thin beds.

VBM- Poly 300: The most frequent choice for medium and thick bed applications. Higher polymer content provides greater water repellency, impact resistance, and flexural bond.

VBM- Poly 500: Recommended for the most demanding projects, including paver applications with vehicular requirements. Highest polymer content.

Thin Bed

VBM- Thin Set: A good performer. The bond strength is typically stronger than the substrate. Less water repellency than polymer modified VBMs.

VBM- Poly Thin Set: An economic alternative to thin brick. Better water repellency and efflorescence control.

VBM- Poly Thin Brick: For thin brick, tile, and thin masonry veneers. Greater water repellency and flexural bond.

VBM- Bonder: The best. Highest polymer content. Ideal for large masonry veneers and pavers in heavy duty environments. Exceptional non-sag performance and highest bond strengths.

Waterproofing / Damp Proofing:

Poly Waterstop: Cement-based poly modified damp proof coating. Chemically bonds to concrete substrates. Mix with water or substitute R-FlexAd to provide additional flex and water resistance properties.

R-Lastic: An organic elastomeric coating that can provide waterproofing, flexible bonding adhesive, crack isolation membrane, and air barrier coating. VBM Poly mortars bond to R-Lastic.

R-FlexAd: Used as a replacement for water, R-FlexAd turns VBM- Bonder and Poly Waterstop into a flexible damp proof elastomeric coating. Not recommended for Joint Grout usage because it changes the grout color.

Masonry Mortars:

Type S & M Mortars: Broad spectrum of colors and excellent workability.

Type S Integral Water Repellent (IWR): Adds IWR for use with ORCO IWR concrete masonry units.

Type S & M MAC Mortar: Adds water repellency and efflorescence inhibitors.

Type S & M MAC Plus: (see Joint Grouts / Pointing Mortars)

Type S MAC Plus Premium: (see Joint Grouts / Pointing Mortars)

Type S MAC HAB: High absorption brick mortar

ORCO BLENDED PRODUCTS (OBP)

Joint Grouts / Pointing Mortars:

Wide Joints (1/4" – 3")

MAC Mortar: High quality, masonry mortar (coarser masonry sand). Recommended for most veneers and pavers with pedestrian or light vehicular applications.

MAC Plus: Provides all the benefits of MAC Mortar plus greater efflorescence control and water repellency - better stain resistance and color protection. Like all MAC mortars, MAC Plus has coarser masonry sand.

MAC Plus Premium: For the most demanding applications. All the benefits of MAC Mortar and MAC Plus, plus added flexural bond strength, less shrinkage, and better water repellency and efflorescence control.

Narrow Joints (1/8" – 5/8")

VP Joint Grout: Finer silica sand. Provides excellent strength, low shrinkage and stain resistance. Polymer modified.

VP Joint Premium Grout: Same silica sand, but with more polymers than VP Joint Grout. Greater flexural strength and stain resistance. Provides the best water repellency and efflorescence inhibitors.

R-AcrylicAd: Acrylic additive for heavy duty applications. Increases flexural properties and stain resistance in grout. Recommended for paver applications.

Base Mortars:

Deck Mud

4:1 / 3:1 / 2:1 Options: Cement and sand dry pack mortar. Good mortar bed for VBM Bonding Mortars.

Deck Mud Plus: Better. Thick leveling bed for paver installations. High compressive strength, water repellency, and efflorescence inhibitors.

Poly Deck Mud: Best. Recommended for the most demanding applications. The polymers added provide greater flexural strength and impact resistance. Best water repellency and efflorescence control. A high strength leveling mortar bed for VBM bonding systems and setting bed for pavers in vehicular applications.

Plaster / Stucco

Scratch & Brown:

MAC Scratch & Brown (w/ fiber): High quality cement plaster base for VBM bonding systems and color texture coats. Stronger than plastic cement mortars mixed on a job site. Less cracking and great efflorescence control.

MAC Plus Scratch & Brown (w/ fiber): Adds water repellency along with less shrinkage and more efflorescence inhibitors.

MAC Premium Scratch & Brown (w/ fiber): Polymer modified for even better performance.

Poly Foam 2000: Adhesive and base coat for architectural EPS foam shapes.

For additional products, brochures, and cut sheets, please contact your ORCO sales rep or visit orco.com.

OUTDOOR FIREPLACE KITS

Modular Outdoor Fireplace Kits:

Outdoor use only. Includes base plate, side walls, back wall, lintel, smoke dome, dome top, 2' masonry chimney,refractory mortar, rebar, shims, and installation guide. Additional required items include: 3000 PSI grout (2-90 lb. sacks), firebrick, spark arrestor, veneer, etc.

Shape	Model	Fireplace Kit Description	Weight
	OFS75	Finished Opening 72" W X 30" H	2590
	OFS63	Finished Opening 60" W X 30" H	2440
	OFS49	Finished Opening 46" W X 30" H	1963
	OFS44	Finished Opening 41" W X 30" H	1851
	OFS39	Finished Opening 36" W X 30" H	1708
	OFS33	Finished Opening 30" W X 30" H	1416
	OFS43-ST	See Thru - Finished Opening 40" W x 30" H	1867
	OFS33-SF	Smart Fire - Finished Opening 30" W X 30" H	985

CONSULT BURNTECH INSTALLATION GUIDES & MANUALS FOR PROPER INSTALLATION.
VISIT BURNTECH.COM TO DOWNLOAD THESE CRITICAL REFERENCE MATERIALS.

OUTDOOR FIREPLACE KITS

Modular Outdoor Vent Free Fireplace Kits:

Includes base plate, side walls, back wall, lintel, vent free top, refractory mortar, rebar, shims, and installation guide. Additional required items include 3000 PSI grout (2-90lb sacks), firebrick, veneer, approved vent free log set, etc.

Shape	Model	Fireplace Kit Description	Weight
	VFS75	Finished Opening 72" W X 30" H	1775
	VFS63	Finished Opening 60" W X 30" H	1565
	VFS49	Finished Opening 46" W X 30" H	1537
	VFS44	Finished Opening 41" W X 30" H	1426
	VFS39	Finished Opening 36" W X 30" H	1313
	VFS33	Finished Opening 30" W X 30" H	1565
	VFS43-ST	See Thru Kit - Finished Opening 40" W X 30" H	1401

Outdoor Pizza Oven Kits:

For wood-only operation. Free standing.

	OPO-18	Outdoor Wood Burning Pizza Oven (Includes 16" Masonry Chimney, 50 lb Fireplace Mortar Bucket, and Split Brick Cooking Surface. 18" Door Not Included) Outer: 28" W x 42.125" H x 48" L Inner: 14.75" W x 42" L	625
	OPO-18WS	Wood Storage Cabinet & Oven Support Platform - For OPO-18 Only (Includes side walls, rear walls, rebar, and steel T-bar) Raises oven height 32". 28" W x 48" L Platform.	588
	OPO-18DR	18" Outdoor Pizza Oven Door for Use with OPO-18	18

All measurements and weights are approximate and subject to change without notice.

PROTECTIVE FURNITURE

Highly engineered and tailored to the specific location. Bollard mounting depths range from 30" to as shallow as 2" in for Ultra Shallow Mount configurations.

Per ASTM F2656 / F2656M - 20, *Standard Test Standard Test Method for Crash Testing of Vehicle Security Barriers*

Rating	Weight @ Speed	P1
M30	15,000 lbs @ 30mph	P3 23.1ft to 98.4ft (7m to 30m)
M40	15,000 lbs @ 40mph	P2 3.3ft to 23.1ft (1m to 7m)
M50	15,000 lbs @ 50mph	P1 < 3.3ft (1m)

Performance Rating Example:

M **50** **P1**

Vehicle Classification
Medium duty truck
of 15,000 lbs

Impact Speed (mph)
50mph / 80kph

Vehicle Penetration Distance
Less than 1m



Reinforced Concrete Cage
(30" deep)



Ultra Shallow 50
(2" deep)









CLASSICA 1220 PLANTER



POST & RAIL

80 YEARS ORCO BLOCK & HARDSCAPE

ORCO.COM

ORCO PAVINGSTONES
4545 RUTILE STREET
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ORANGE / LOS ANGELES
11100 BEACH BOULEVARD
STANTON • CA 90680
OFFICE: 714.527.2239

INLAND EMPIRE
4510 RUTILE STREET
RIVERSIDE • CA 92509
OFFICE: 951.685.1521

COACHELLA / IMPERIAL
35-240 DILLON ROAD
INDIO • CA 92201
OFFICE: 760.347.4000

SAN DIEGO
3501 OCEANSIDE BOULEVARD
OCEANSIDE • CA 92056
OFFICE: 760.757.1780