

EPOXY WORK SURFACES

APPLICATION

COLOURS

Sheet Sizes Available

BLACK ONYX 98" x 64", 96" x 72"

GRAPHITE, TAN, DARK KHAKI, GRAY, LUNAR WHITE 97" x 72"

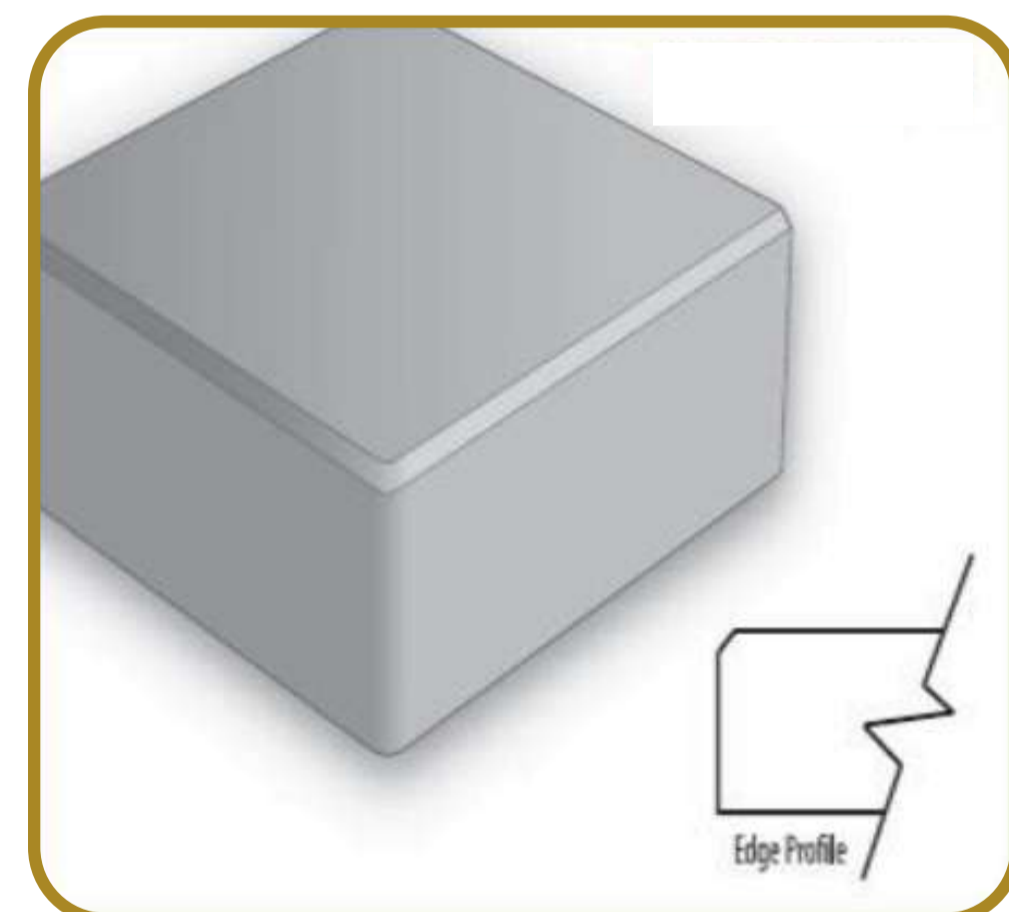
Thicknesses available

0.75" Used mostly for back splashes, reagent shelves and other light duty applications

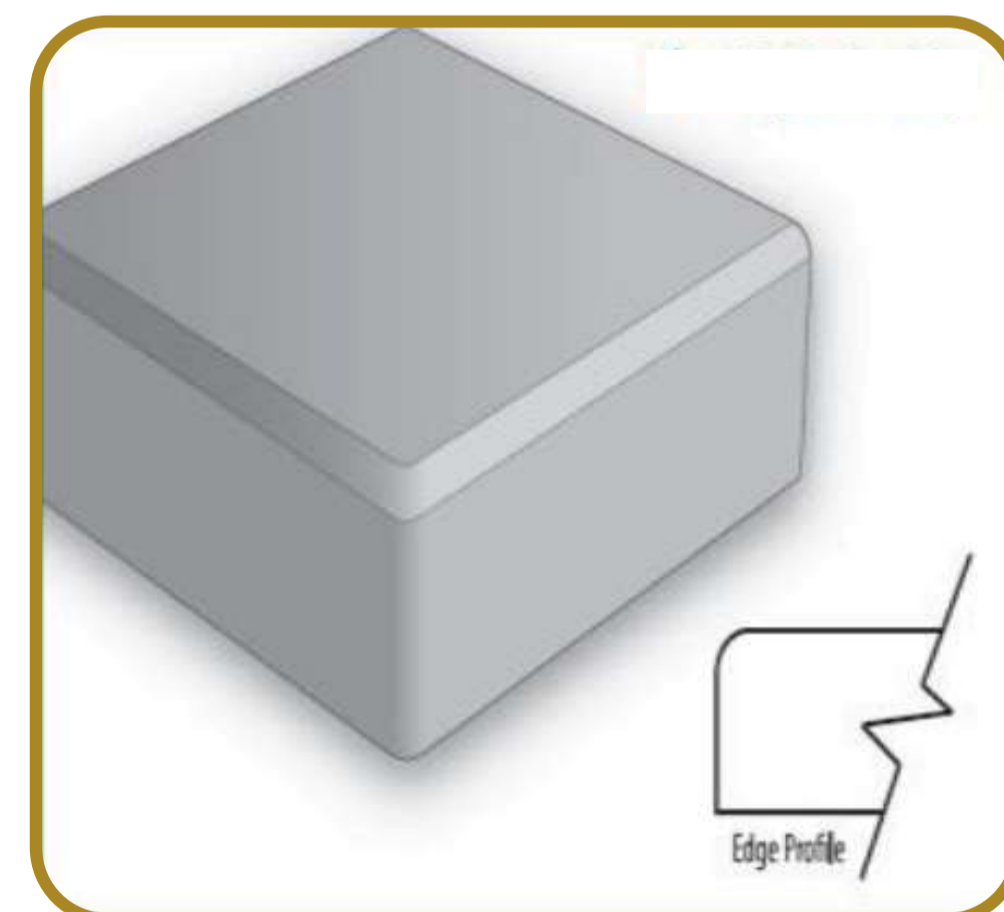
1.0" Standard thickness used in almost all countertop applications

1.25" Traditional thickness used mostly to match up existing older lab counter tops

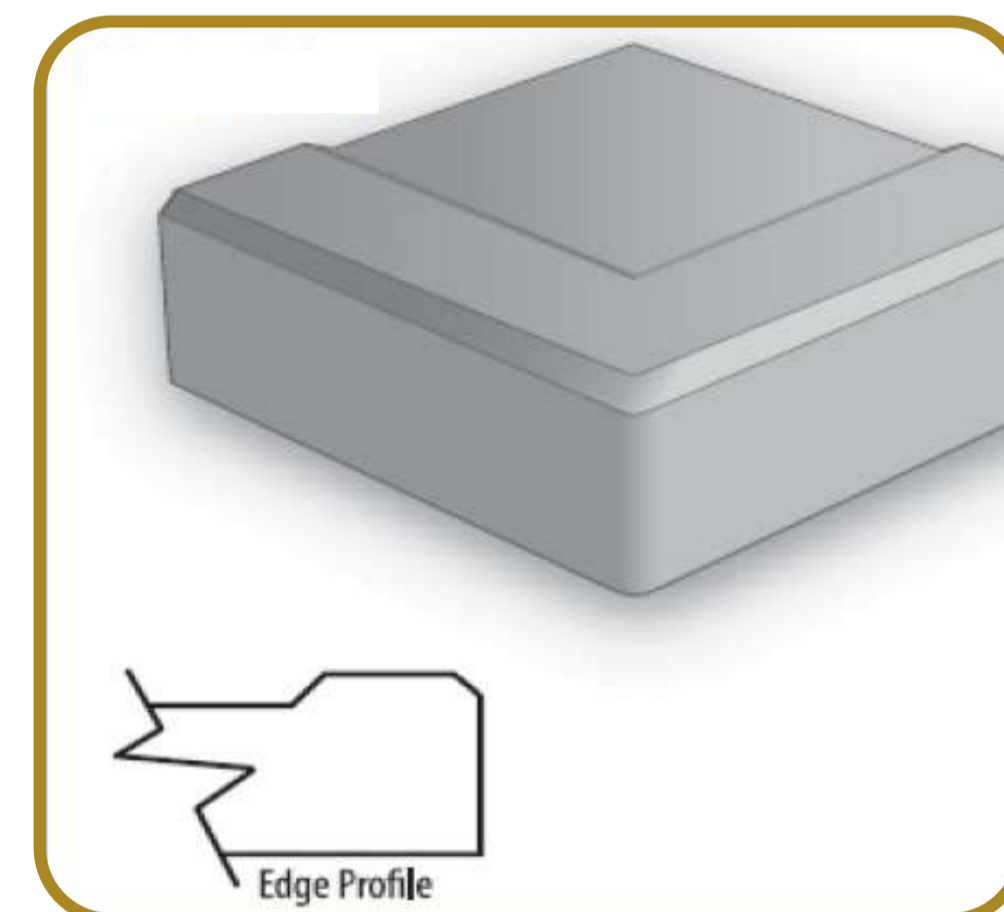
Edging available



Classic Top Bevel Edge



Classic Top Radius Edge



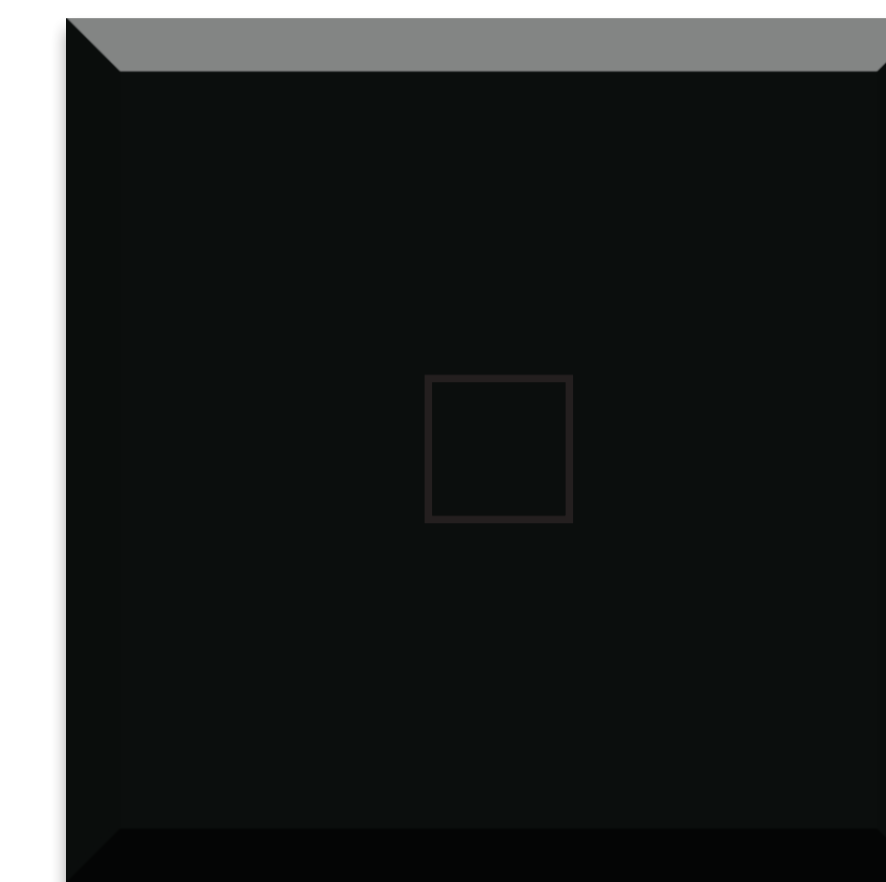
Marine Edge

- Laboratory settings
- Laboratory settings
- Reagent shelving
- Prep room work surfaces
- Mobile carts

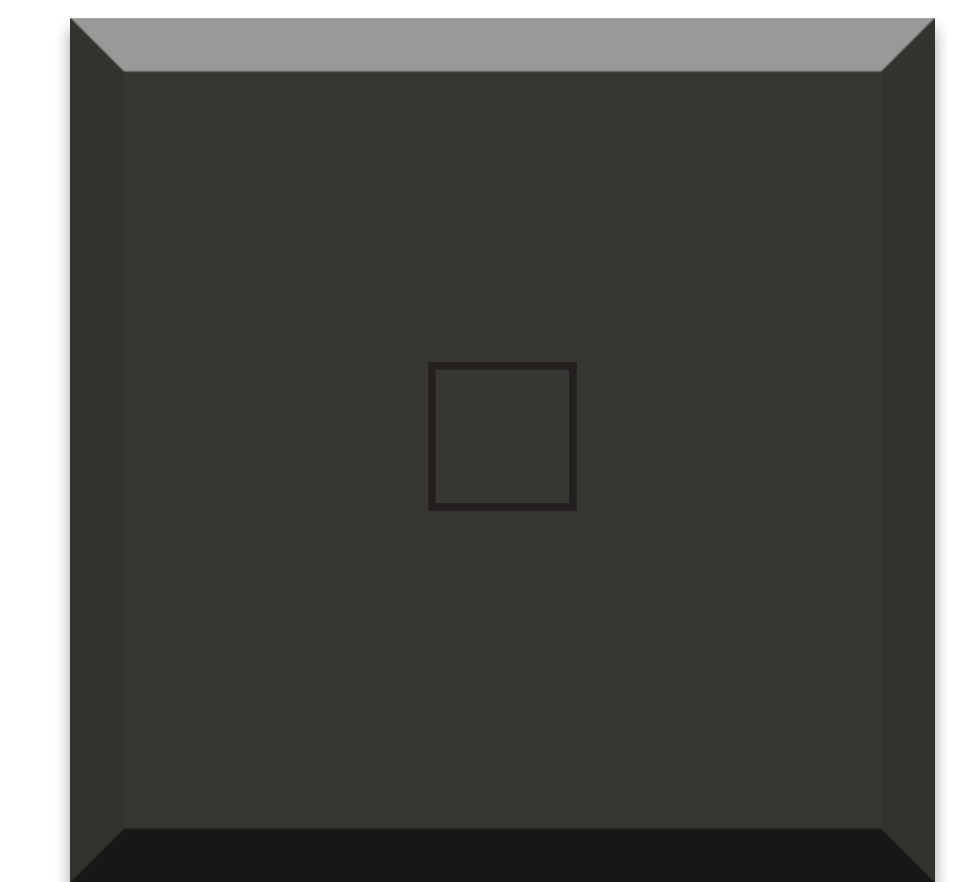
All Durcon epoxy products are Greenguard and Greenguard Children & Schools certified for safe indoor air quality and NSF / ANSI 51 certified for use in food areas.

Durcon epoxy is also tested to SEFA standards for

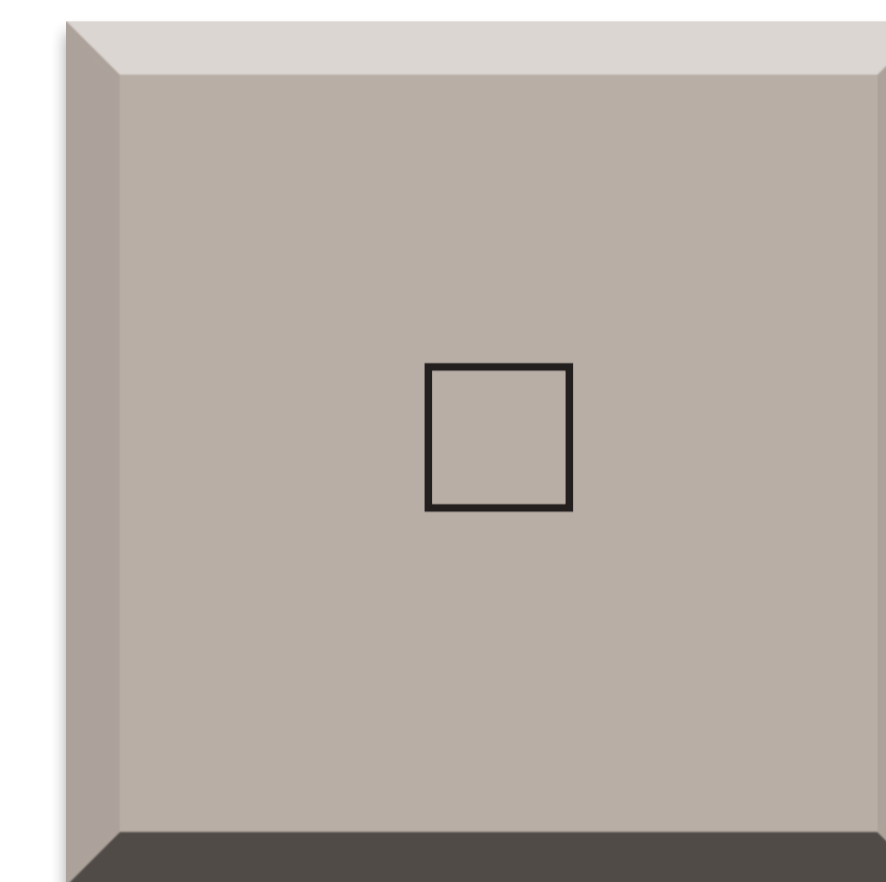
- Chemical Resistance
- Physical Properties
- Thermal Characteristics
- Flammability
- Liquid Absorption



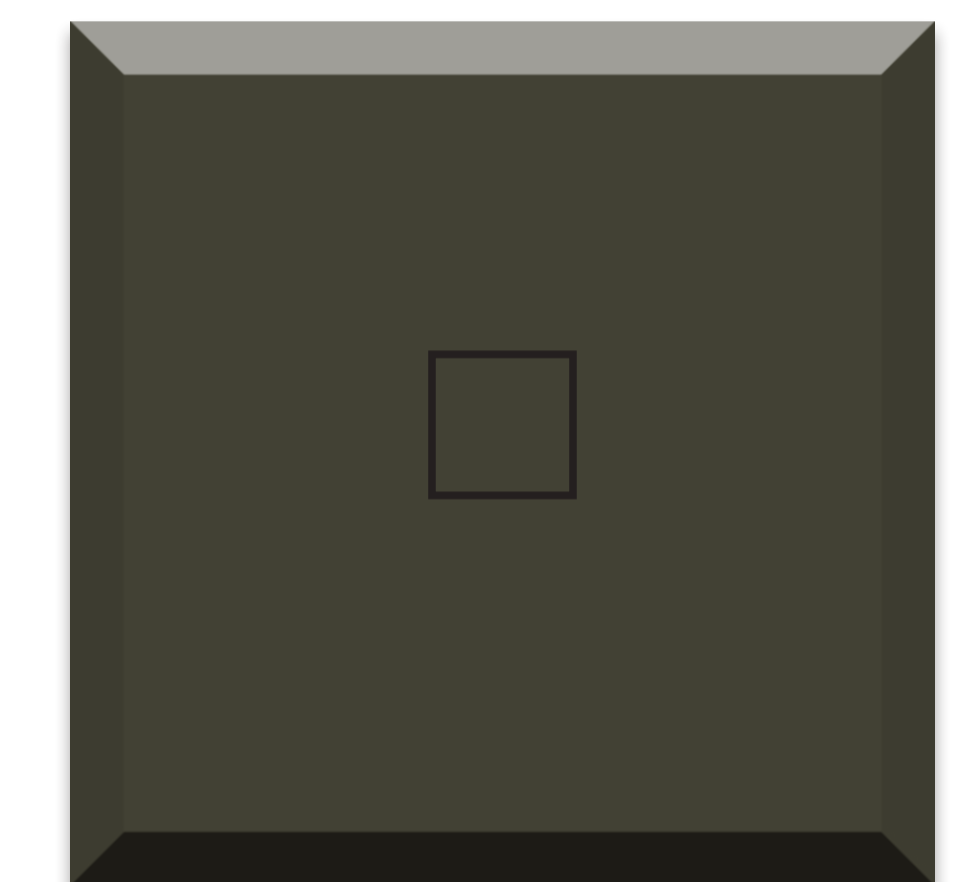
BLACK ONYX



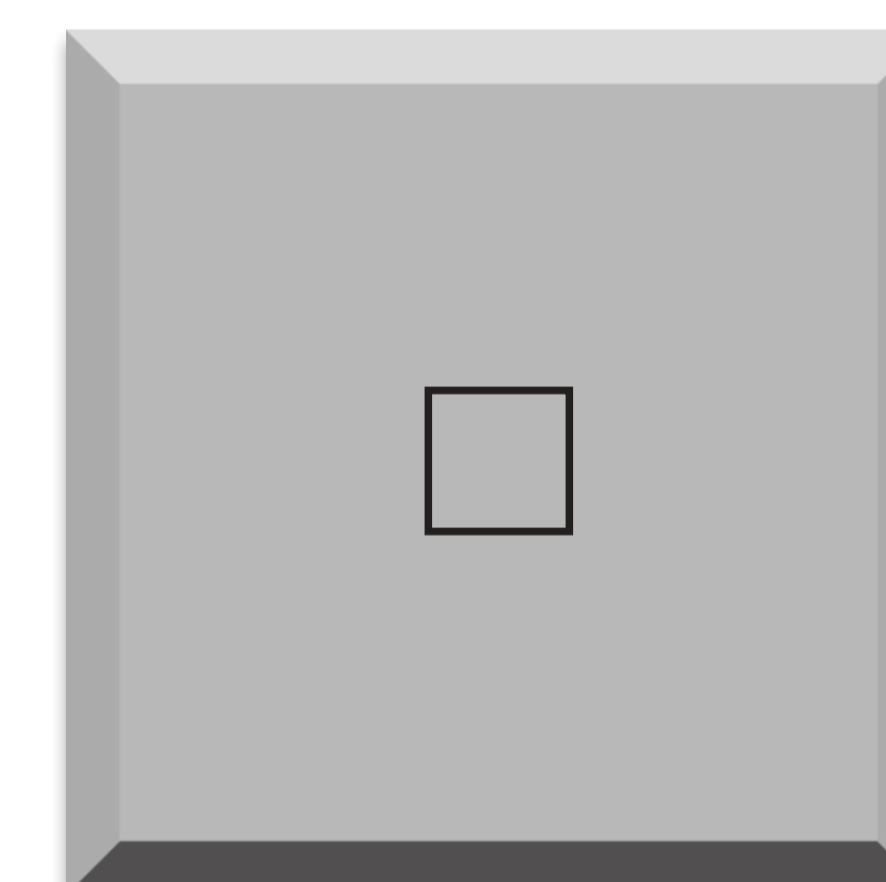
GRAPHITE



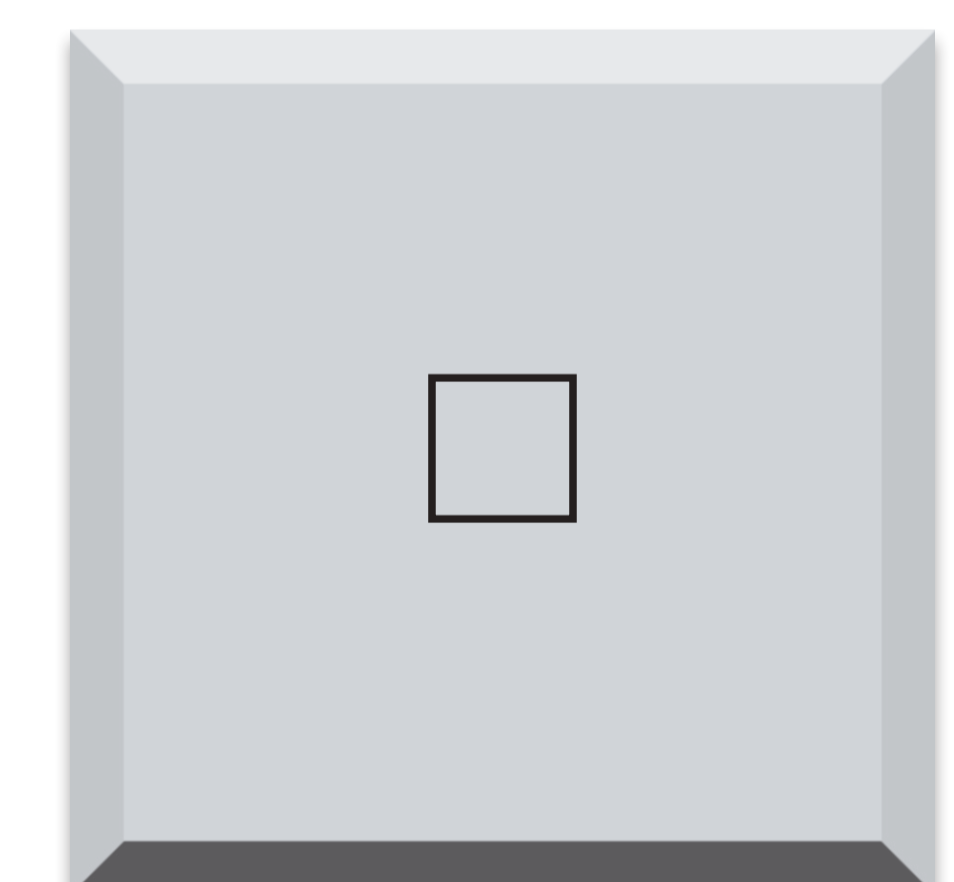
TAN



DARK KHAKI



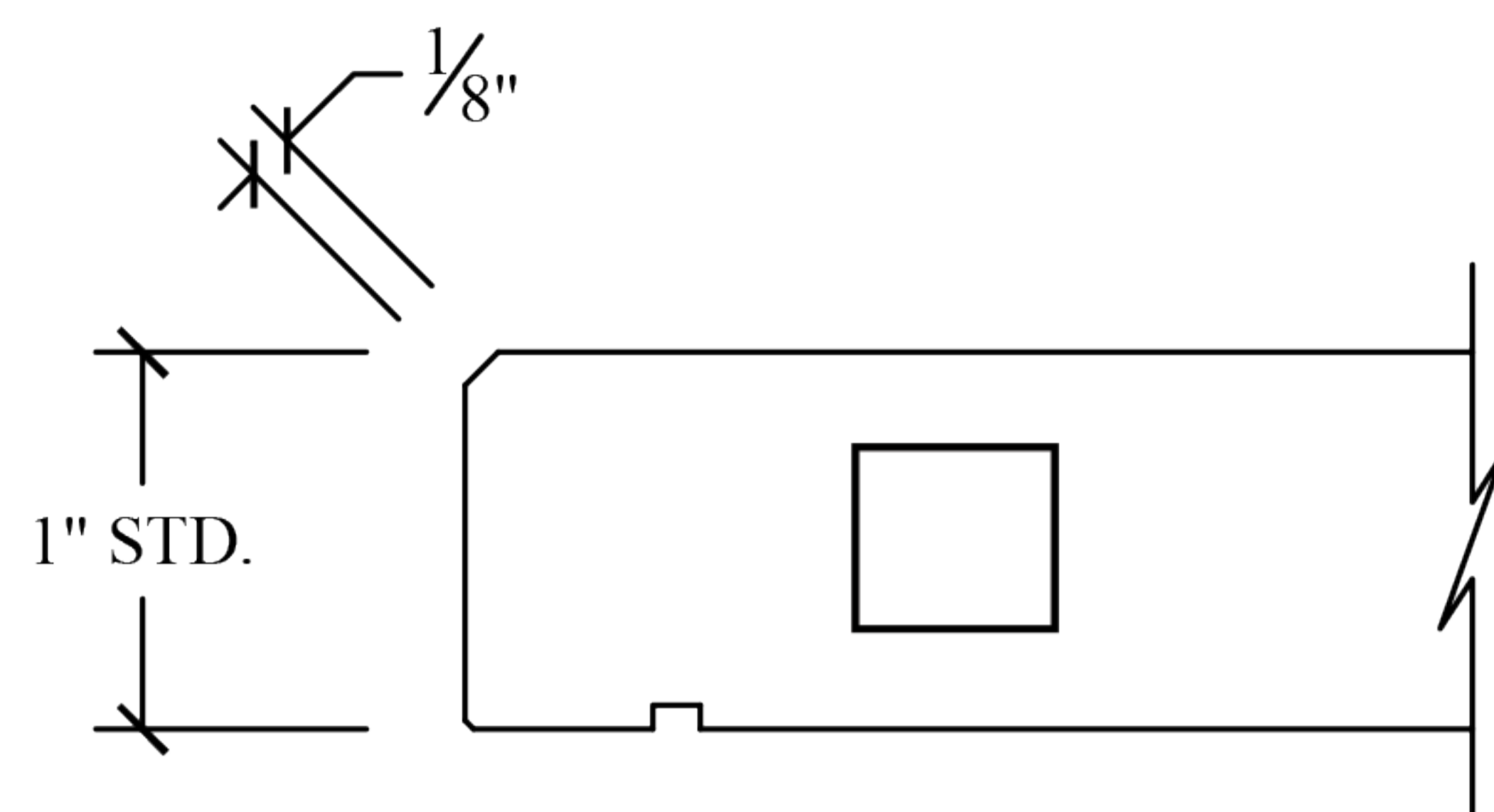
GRAY



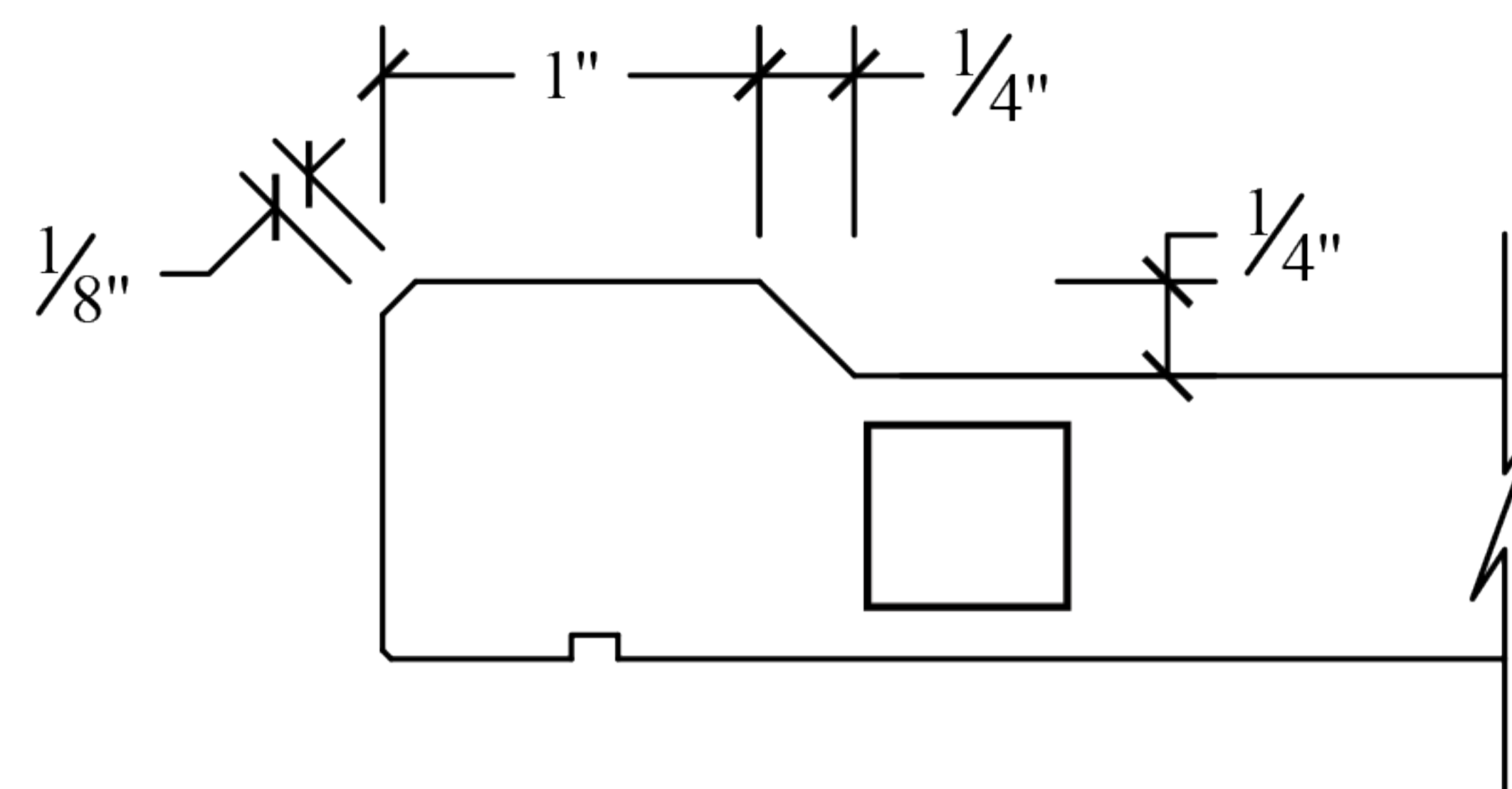
LUNAR WHITE

Gray, Graphite, Tan & Dark Khaki subject to a 25% surcharge; Lunar White, 45% surcharge.

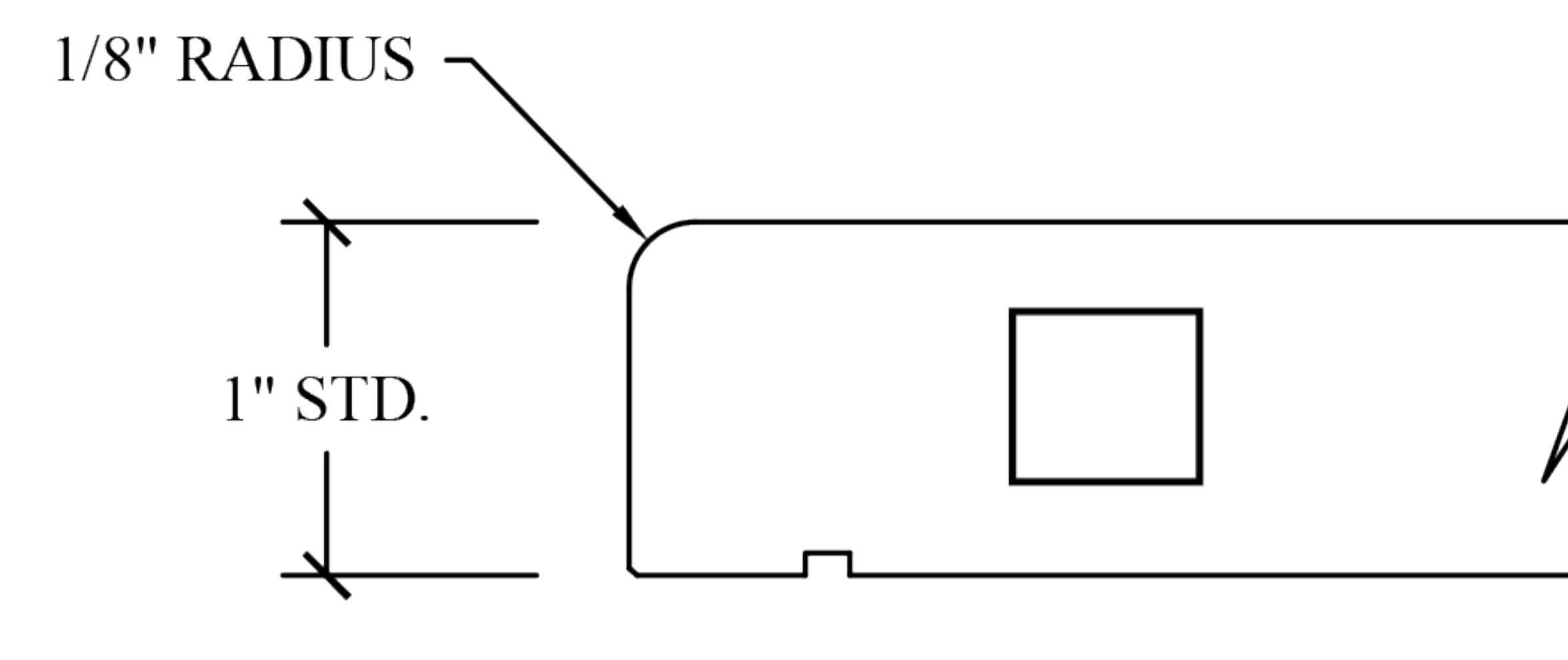
Standard Edge Finishes



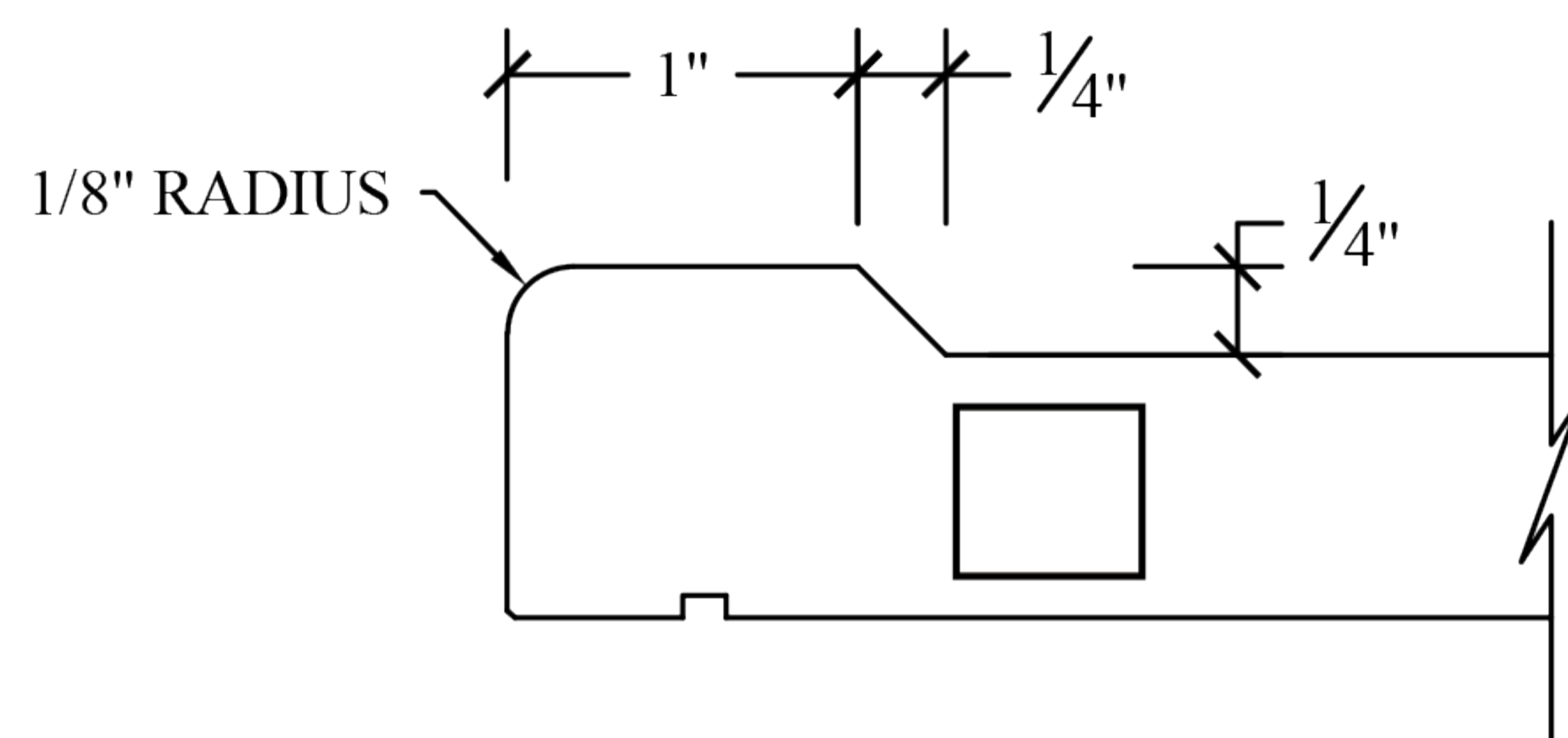
CROSS SECTION THROUGH STANDARD
FLAT EPOXY RESIN COUNTERTOP
W/ 1/8" BEVEL EDGE & DRIP GROOVE
(3/4", 1" & 1-1/4" THICK TOPS AVAIL.)



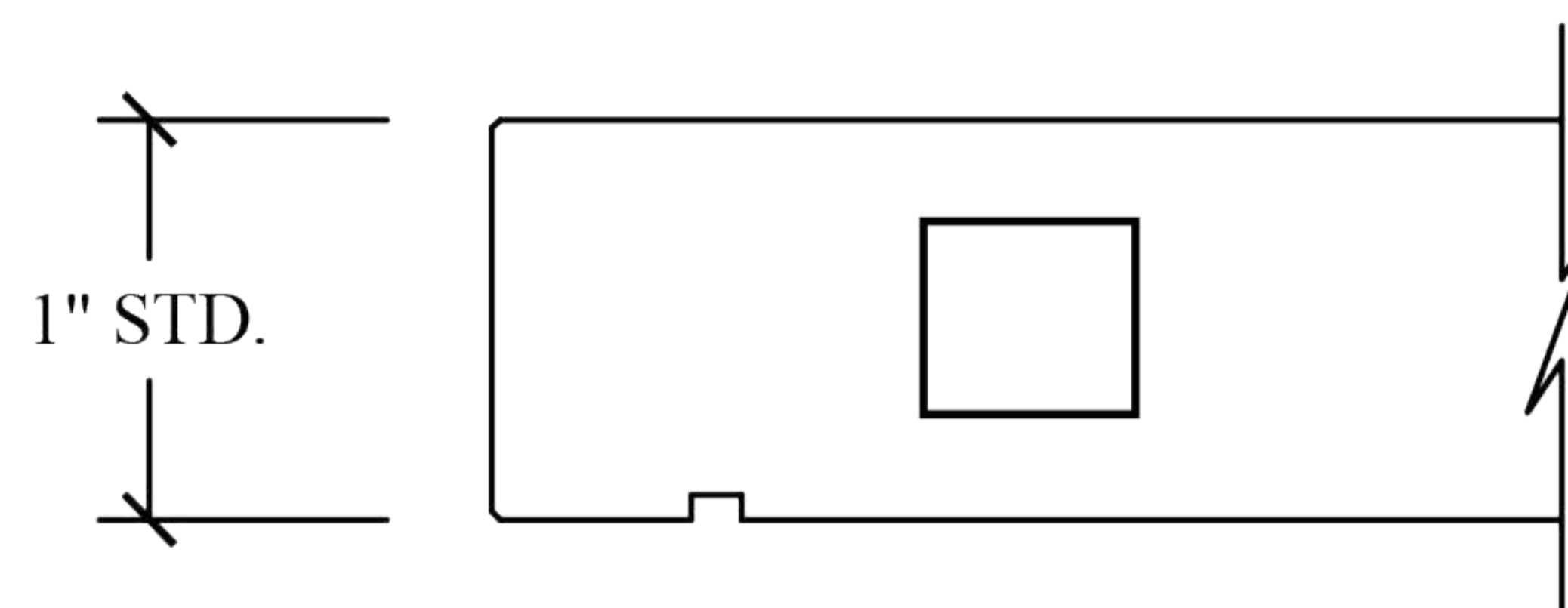
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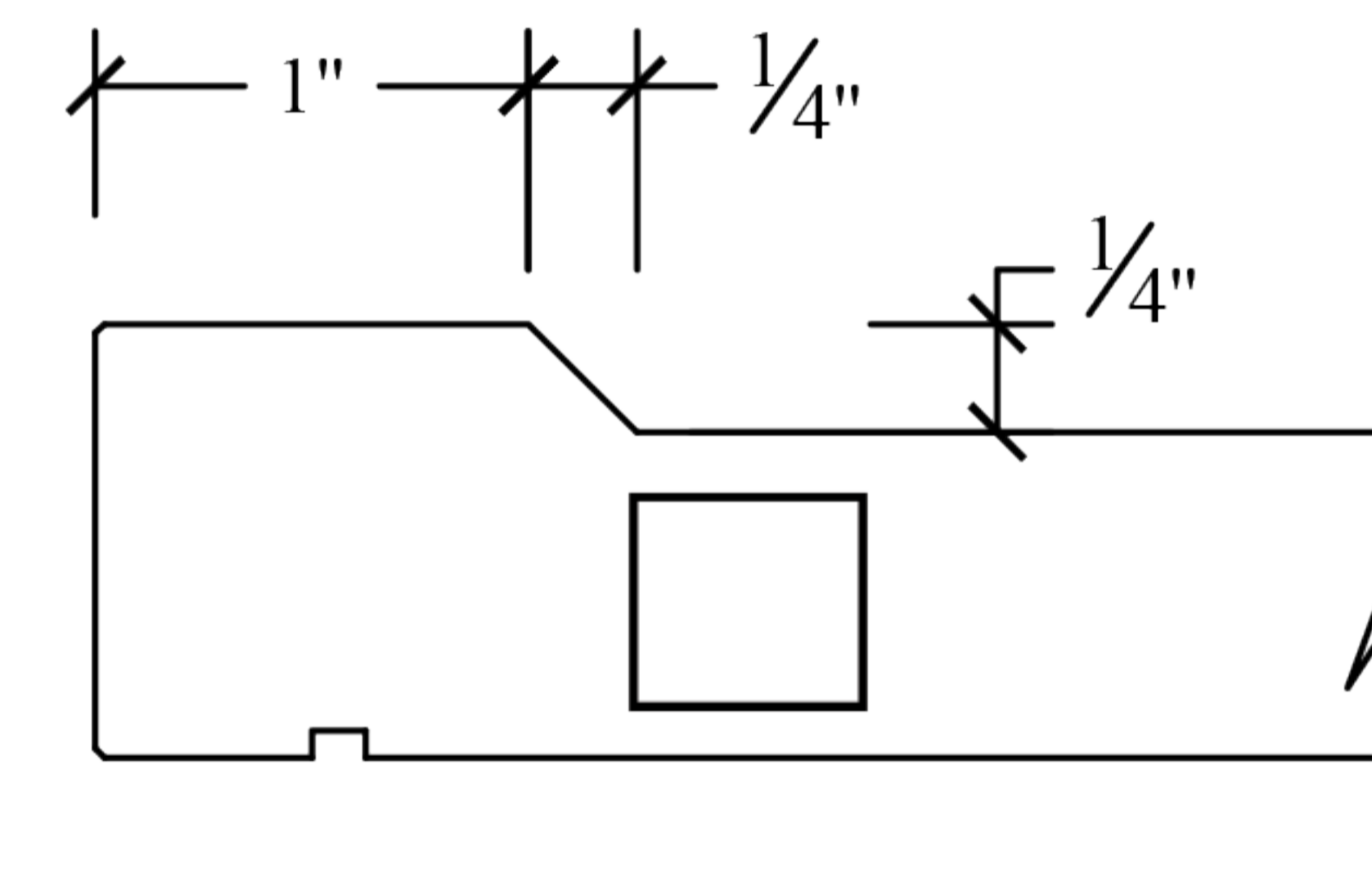
CROSS SECTION THROUGH STANDARD
FLAT EPOXY RESIN COUNTERTOP
W/ 1/8" RADIUS EDGE & DRIP GROOVE
(3/4", 1" & 1-1/4" THICK TOPS AVAIL.)



CROSS SECTION THROUGH STANDARD
MARINE EDGE EPOXY RESIN COUNTERTOP
W/ 1/8" RADIUS EDGE & DRIP GROOVE
(1" & 1-1/4" THICK TOPS AVAIL., AT EDGE)



CROSS SECTION THROUGH STANDARD
FLAT EPOXY RESIN COUNTERTOP
W/ EASED EDGE BREAK & DRIP GROOVE
(3/4", 1" & 1-1/4" THICK TOPS AVAIL.)



CROSS SECTION THROUGH STANDARD
MARINE EDGE EPOXY RESIN COUNTERTOP
W/ EASED EDGE BREAK & DRIP GROOVE
(1" & 1-1/4" THICK TOPS AVAIL., AT EDGE)



FABRICATION TOLERANCES

Dimensional Tolerances	Length +/- 1/16" [1.6mm] Width +/- 1/16" [1.6mm]
Squareness	0" - 47" [0mm - 1194mm] not to exceed +/- 1/16" [1.6mm] 48" to 72" [1219mm - 1829mm] not to exceed +/- 3/32" [2.4mm] 73" to 100" [1854mm - 2540mm] not to exceed +/- 1/8" [3mm]
Drip Grooves	Width = 1/8" [3mm] not to exceed +/- 1/32" [0.8mm] Depth = 1/8" [3mm] not to exceed +/- 1/32" [0.8mm] Set back 1/2" [13mm] from edge not to exceed +/- 1/32" [0.8mm]
Edge Tolerances	Beveled Edges shall have a 1/8" [3mm] chamfer +/- 1/32" [0.8mm] All Eased Edges shall have a 1/32" to 1/16" [0.8mm to 1.6mm] Chamfer Radius Edges shall have a 3/16" [4.5mm] edge +/- 1/32" [0.8mm]
Visual Edge Tolerance	Exposed edges shall be finished with no visible defects when viewed at a 45° angle from a distance of +40" under 800-1000 lumens of D65 fluorescent lighting
Corners	Exposed corners shall be uniformly eased for safety
Cutouts	Cutout Location not to exceed +/- 1/8" [4mm] (x-axis and/or y-axis) Cutout Size and Opening not to exceed +1/8"/-0" [+3mm/-0mm] Square not to exceed +/- 1/64" [0.4mm] for each 12" [305mm] of length
Safety Lines	Width = 3/8" [9.5mm] not to exceed +/- 1/32" [0.8mm]
Holes	Hole Location not to exceed +/- 1/16" [1.6mm] (x-axis and/or y-axis) Hole Size not to exceed +1/16"/- 0" [+1.6mm/-0mm]

MOLDING TOLERANCES

Thickness	Thickness shall not vary +/- 1/16" [1.6mm] from specification
Warp	0" to 36" [0mm to 914mm] not to exceed 1/16" [1.6mm] 36" to 96" [914mm to 2438mm] not to exceed 3/16" [4.5mm]
Visual Surface Tolerance	Defects shall not be visible when viewed at a 45° angle from a distance of +40" under 800-1000 lumens of D65 fluorescent lighting
Color & Gloss	Color Values* - L*, a*, b* color values shall be within four points per job and shall be within two (2) points per elevation Gloss** - gloss shall be within four (4) points per shipment

*Verified using a BYK Spectro-guide 45/0

**Verified using a Horiba Gloss Checker (Model # IG320, measuring angle of 60°)

SEFA RECOMMENDED CHEMICAL & STAIN RESISTANCE TESTING

CHEMICAL Tested	TEST method	RATING
Acetate, Amyl	A	0
Acetate, Ethyl	A	0
Acetic Acid 98%	B	0
Acetone	A	1
Acid Dichromate 5%	B	0
Alcohol, Butyl	A	0
Alcohol, Ethyl	A	0
Alcohol, Methyl	A	1
Ammonium Hydroxide 28%	B	0
Benzene	A	1
Carbon Tetrachloride	A	0
Chloroform	A	1
Chromic Acid 60%	B	0
Cresol	A	0
Dichloroacetic Acid	A	0
Dimethylformamide	A	0
Dioxane	A	0
Ethyl Ether	A	0
Formaldehyde 37%	A	0
Formic Acid 90%	B	0
Furfural	A	1
Gasoline	A	0
Hydrochloric Acid 37%	B	0
Hydrofluoric Acid 48%	B	0
Hydrogen Peroxide 28%	B	0
Iodine, Tincture of	B	0
Methyl Ethyl Ketone	A	0
Methylene Chloride	A	0
Monochlorobenzene	A	0
Naphthalene	A	0
Nitric Acid 20%	B	0
Nitric Acid 30%	B	1
Nitric Acid 70%	B	1
Phenol 90%	A	0
Phosphoric Acid 85%	B	1
Silver Nitrate, Saturated	B	0
Sodium Hydroxide 10%	B	1
Sodium Hydroxide 20%	B	1
Sodium Hydroxide 40%	B	1
Sodium Hydroxide, Flake	B	1
Sodium Sulfide, Saturated	B	2
Sulfuric Acid 25%	B	1
Sulfuric Acid 85%	B	2
Sulfuric Acid 96%	B	3
Sulfuric Acid 85% & Nitric Acid 70%, Equal Parts	B	3
Toluene	A	1
Trichloroethylene	A	0
Xylene	A	0
Zinc Chloride, Saturated	B	0

TEST METHOD A

For volatile chemicals. A cotton ball is saturated with the test chemical and placed in a one ounce container (10mm x 75mm test tube or similar container). The container is inverted on the test material surface for a period of 24 hours. Temperature of test: 73° +/-4 °F (23° +/-2 °C). This method is used for the organic solvents.

TEST METHOD B

For non-volatile chemicals. Five drops (1/4 cc) of the test chemical are placed on the test material surface. The chemical is covered with a watch glass (25mm) for a period of 24 hours. Temperature of test: 73° +/-4 °F (23° +/-2 °C). This method is used for all chemicals listed other than solvents.

RATING

After 24-hours of exposure, areas are washed with water, then a detergent solution, and finally with isopropyl alcohol. Materials are then rinsed with distilled water and dried with a cloth. Samples are numerically rated as:

0 = No effect, 1 = Excellent, 2 = Good, 3 = Fair

PHYSICAL & FIRE TESTING

TEST Identification	TEST Description	RESULTS [imperial]	RESULTS [metric]
ASTM D785-08	Rockwell Hardness	110 [M scale]	110 [M scale]
ASTM D696-03	Linear Thermal Expansion	1.18x 10 ⁻⁵ in/in°F	2.12x 10 ⁻⁵ mm/mm°C
ASTM D570-98	Water Absorption	0.008% [after 24 hours]	0.008% [after 24 hours]
ASTM D790-07	Flexural Strength	14.9 kpsi	103 MPa
ASTM D792-00	Density	133 lb/ft ³	2.13 g/cm ³
ASTM D695-02	Compressive Strength	33.5 kpsi	231 MPa
ASTM D635-06	Fire Resistance	Self-extinguishing	Self-extinguishing
ASTM D3801-00	Burning Characteristics Sample as Received	30 seconds max burning time	30 seconds max burning time
ASTM D3801-00	Burning Characteristics Samples Heat Aged	41 seconds max burning time	41 seconds max burning time
ASTM D648-07	Heat Distortion Temperature	380°F	194°C
ASTM E84	Flame Spread Index	5 [Class A]	5 [Class A]
ASTM E84	Smoke Developed Index	185 [Class A]	185 [Class A]
ASTM E84	Time to Ignition	4 min 53 sec	4 min 53 sec
ASTM E84	Max Flamespread Distance	3.69 ft	112 cm
ASTM E84	Time to Maximum Spread	9 min 55 sec	9 min 55 sec

SUSTAINABILITY

Durcon is a member of the United States Green Building Council (USGBC) and our worksurfaces meet various Leadership in Energy and Environmental Design (LEED) standards, which may contribute toward LEED Certification. Durcon products can contribute to the following LEED credits:



Credit MR 5.1 & 5.2 Point of Manufacture / Point of Extraction
Credit EQ 4.1 VOC Content (Health Care & School Buildings)
Credit MR 4.1 & 4.2 Recycled Content (Greenstone)
Credit MR 3.1 & 3.2 Material Reuse

Durcon Epoxy Resin - 10 Year US Warranty

All Durcon Epoxy Resin products sold by Durcon® A Wilsonart Company shall conform to the customer's written specifications for such products and shall be free of defects in material and workmanship for a period of 10 years from the date of shipment. Product performance with regard to heat resistance, chemical resistance or physical properties will meet or exceed the published test results. Durcon expressly disclaims any warranty based on testing of product samples.

If a customer notifies Durcon within 30 days after the expiration of the warranty period of a failure of a product under this warranty, Durcon shall conduct an inquiry to determine the nature and source of the defect. If the defect is covered by the warranty, Durcon shall replace the product or correct the defect, at Durcon's option, without cost to the customer. Durcon's liability for breach of warranty shall be limited to replacement of materials or repair of the defective product until the defect is corrected. It does not include any repairs, adjustments, alterations, or replacements required as a result of normal wear and tear, installation not in accordance with the installation and layout instructions provided by Durcon with the product, use of the product in a manner for which the product was not designed or customer error or omission in specifications provided to Durcon. This warranty does not include expenses incurred by the customer to correct defects in Durcon product without prior written authorization from Durcon. Durcon shall not be liable for any incidental or consequential damages of a customer arising from breach of Durcon product warranty, including (without limitation) the customer's loss of use or loss of profit.

THE REPAIR/REPLACEMENT OBLIGATIONS OF DURCON SET FORTH ABOVE ARE THE CUSTOMER'S EXCLUSIVE REMEDIES FOR ALL CONTRACT OR TORT LIABILITIES OF DURCON. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN AS SET FORTH ABOVE. IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

The foregoing warranty shall be governed by the laws of the State of Texas.