

SOLID PHENOLIC COMPACT

SPC GRADES

Chemical Resistance Grade SPC-CR includes a specially Electron Beam Cured (EBC) layer, providing industry leading resistance to many acids, solvents, reagents & cleaning agents.

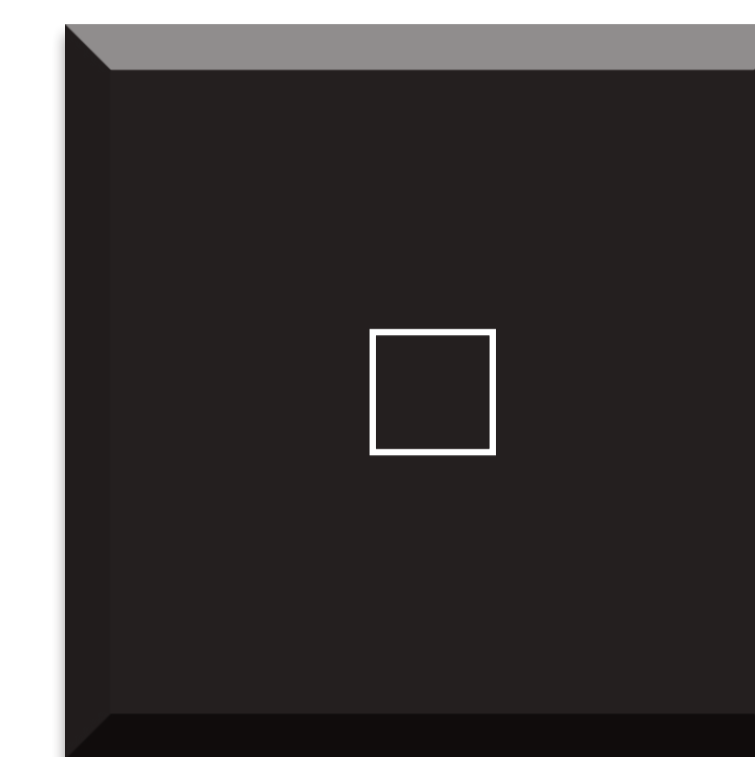
Sheet sizes available: 4' x 8' 4' x 10'

Thicknesses available: 0.25" 0.375" 0.5" 0.75" 1.0"

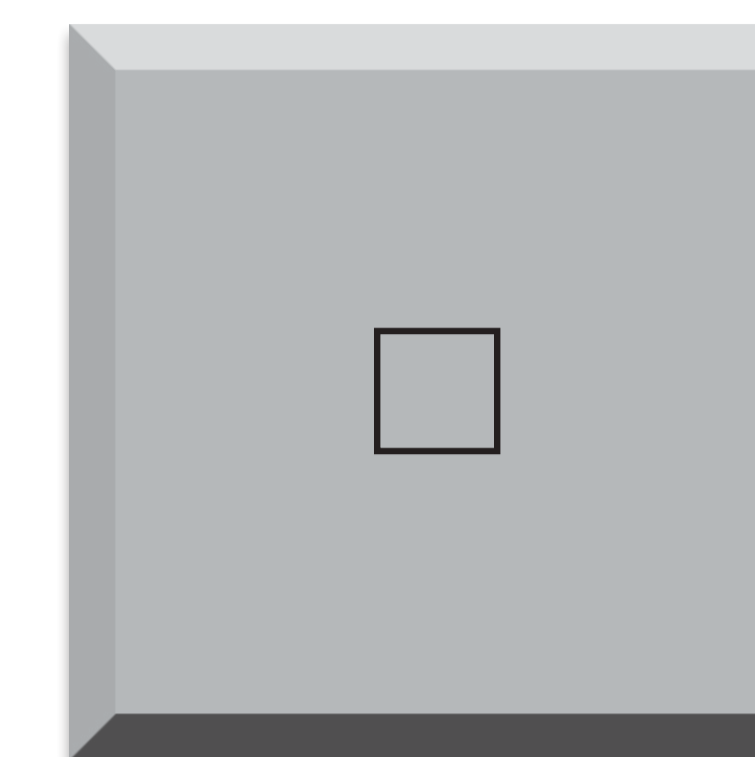
APPLICATION

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

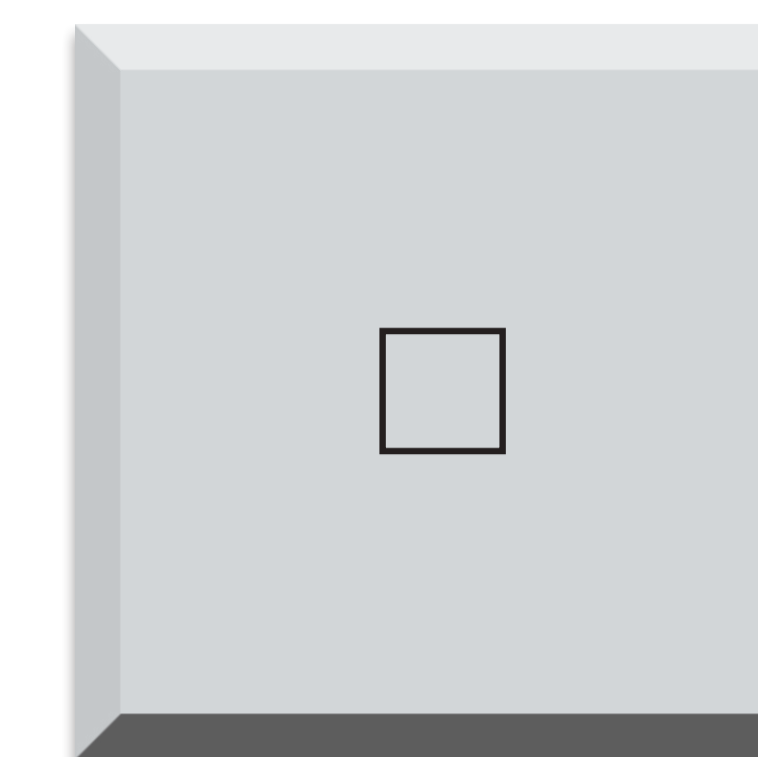
COLOURS



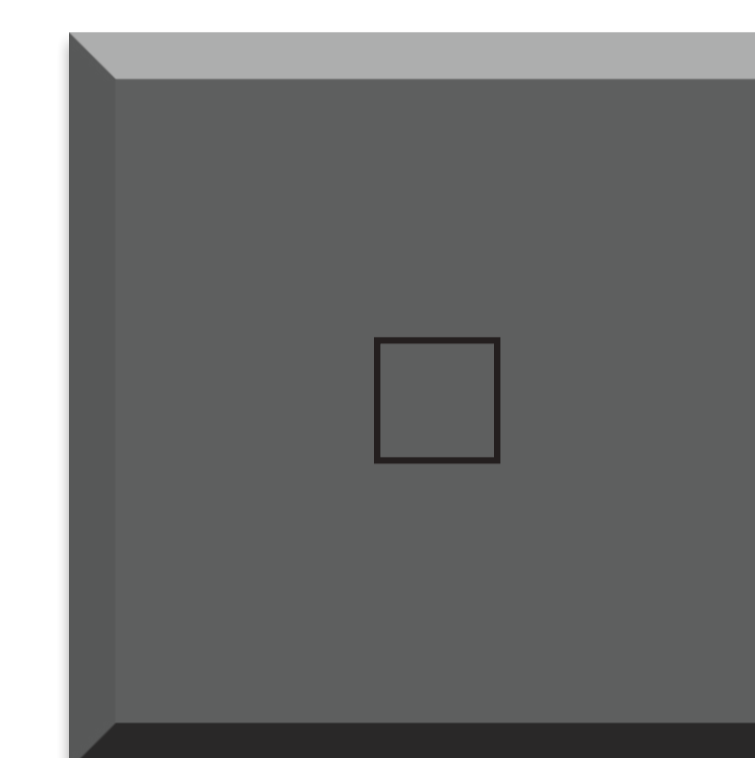
CARBON BLACK



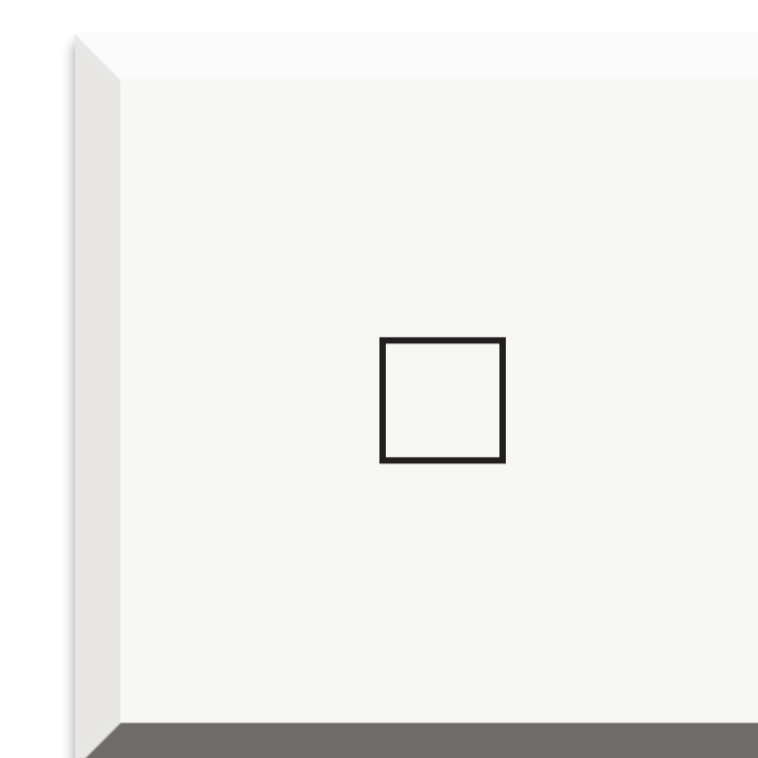
GREY



STEEL GREY



GRAPHITE



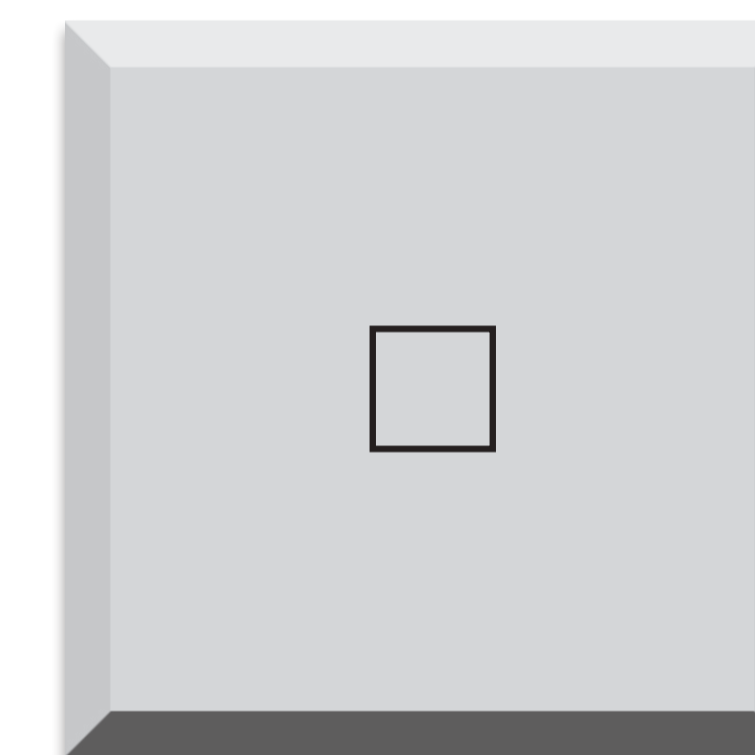
GLACIER WHITE

Fire-rated SPC is thick Standard Grade with fire retardant properties, used where building codes require a rating of Class A (or 1).

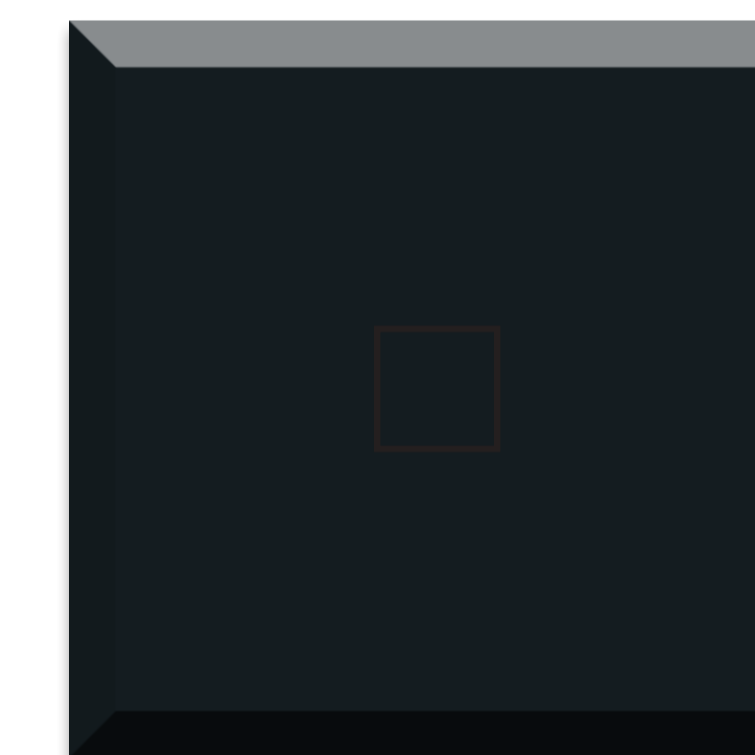
Sheet sizes available: 4' x 8' 4' x 10'

Thicknesses available: 0.25" 0.375" 0.5" 0.75" 1.0"

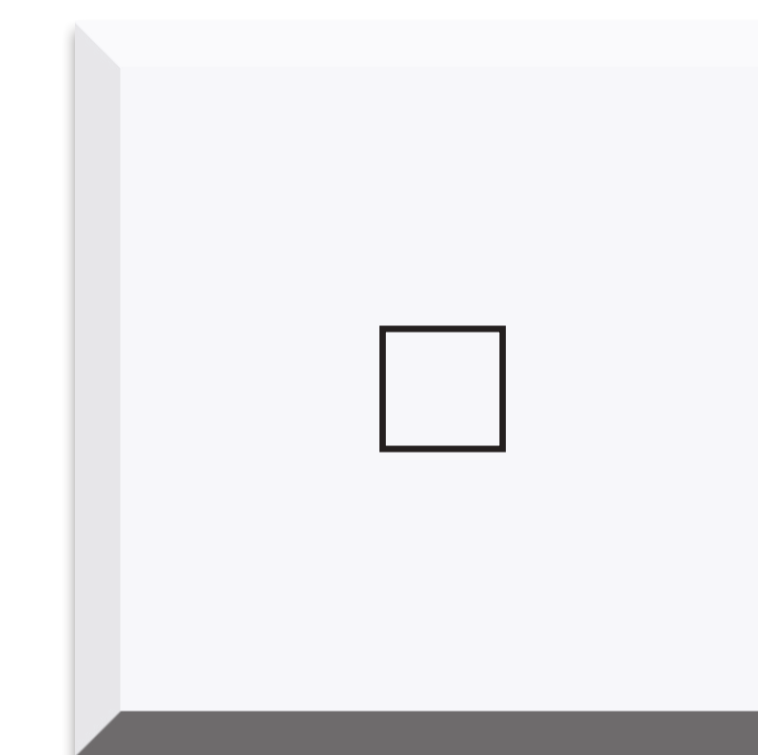
- Elevator cabs
- Stairwells
- Hospitals
- Airports
- Marine / Aerospace



FASHION GREY



BLACK



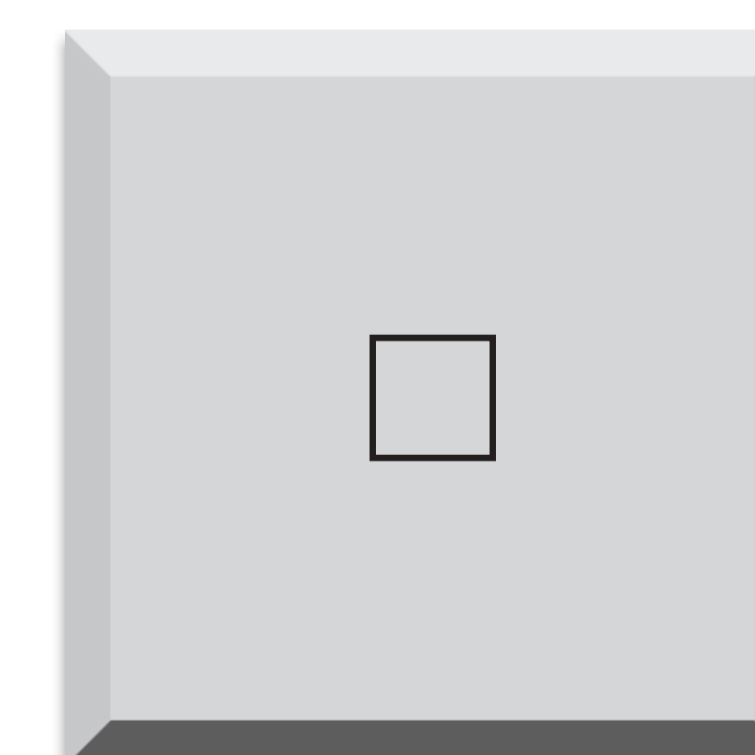
DESIGNER WHITE

Standard Grade SPC is a surfacing solution designed for all-around use, available in a selection of smart colors, plus the option for custom colors of graphic designs.

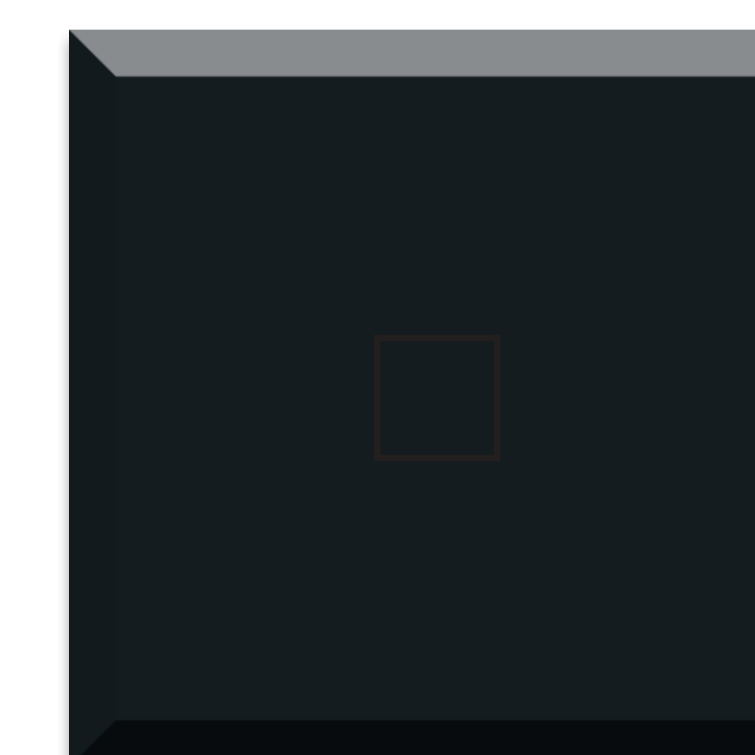
Sheet sizes available: 4' x 8' 4' x 10' 5' x 8' 5' x 10' 5' x 12'

Thicknesses available: 0.25" 0.375" 0.5" 0.75" 1.0"

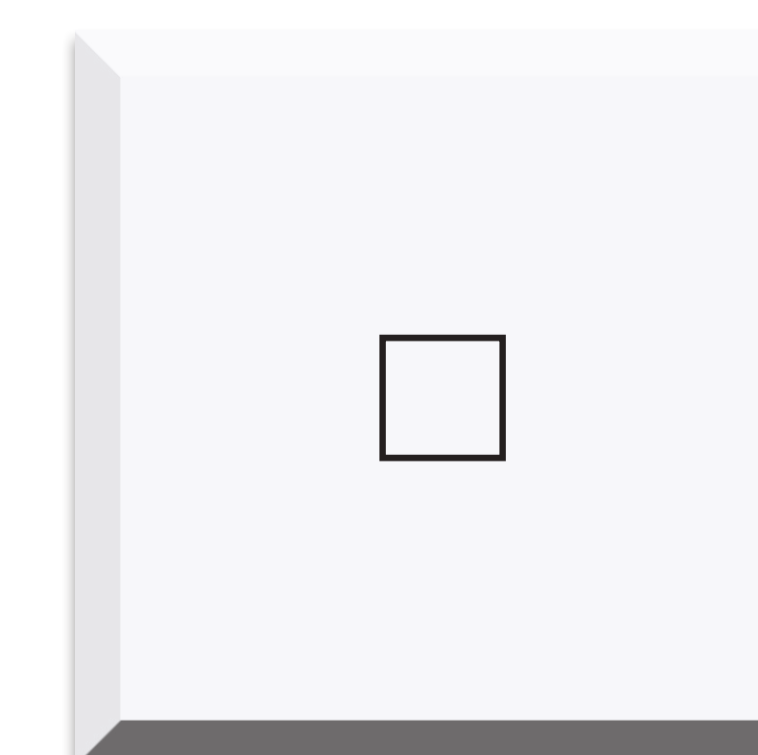
- Partitions
- Cabinetry
- Assembly stations
- Doctor's offices
- Public restrooms



FASHION GREY



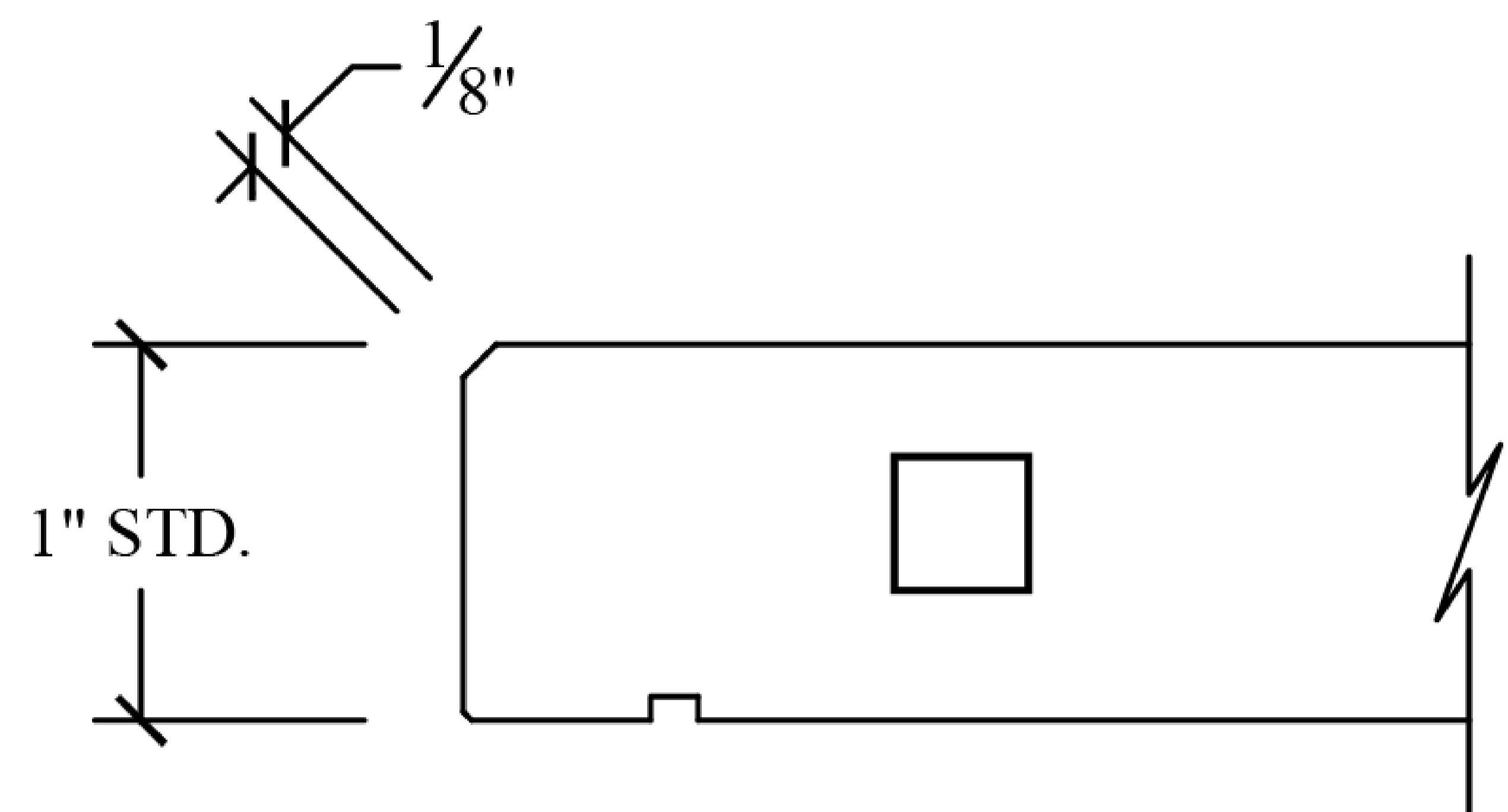
BLACK



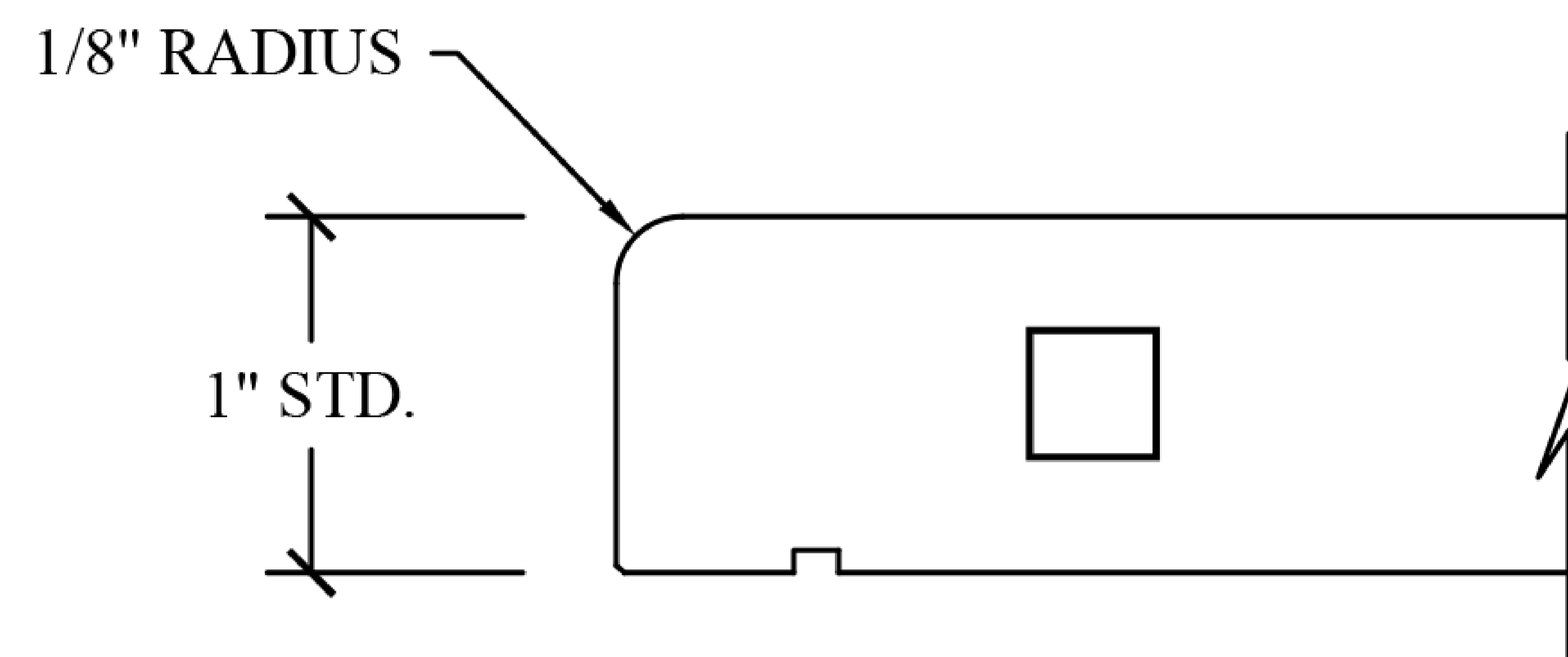
DESIGNER WHITE

Specialty colours are available at an additional cost and require a minimum order depending on selection. Please contact us directly for further details.

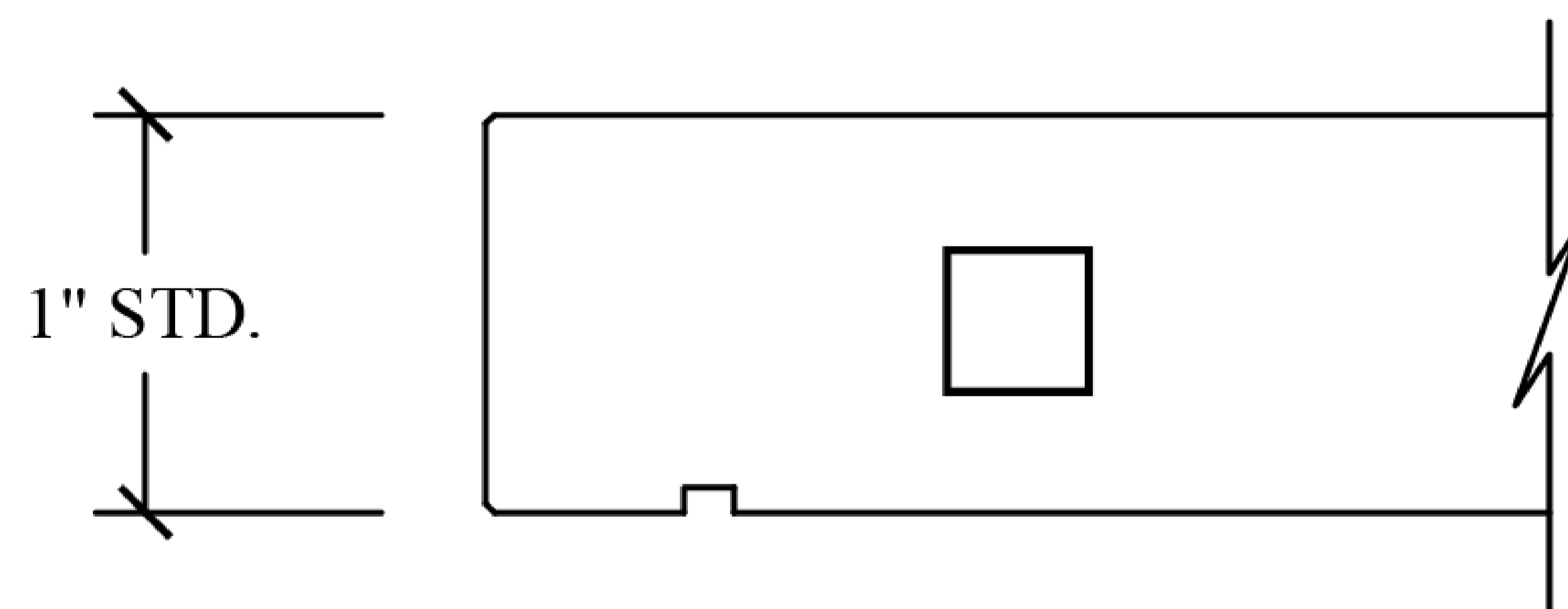
Standard Edge Finishes



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



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



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

TESTING RESULTS FOR SPC CHEMICAL RESISTANCE GRADE

CHEMICAL & STAIN RESISTANCE TESTING

CHEMICAL Tested	TEST method	SPC-CR RATING
Acetate, Amyl	A	0
Acetate, Ethyl	A	0
Acetic Acid 98%	B	0
Acetone	A	0
Acid Dichromate 5%	B	1
Alcohol, Butyl	A	0
Alcohol, Ethyl	A	0
Alcohol, Methyl	A	0
Ammonium Hydroxide 28%	B	1
Benzene	A	0
Carbon Tetrachloride	A	0
Chloroform	A	0
Chromic Acid 60%	B	1
Cresol	A	1
Dichloroacetic Acid	A	1
Dimethylformamide	A	0
Dioxane	A	0
Ethyl Ether	A	0
Formaldehyde 37%	A	0
Formic Acid 90%	B	1
Furfural	A	0
Gasoline	A	0
Hydrochloric Acid 37%	B	0
Hydrofluoric Acid 48%	B	1
Hydrogen Peroxide 30%	B	0
Iodine, Tincture of	B	1
Methyl Ethyl Ketone	A	1
Methylene Chloride	A	0
Monochlorobenzene	A	1
Naphthalene	A	0
Nitric Acid 20%	B	0
Nitric Acid 30%	B	0
Nitric Acid 70%	B	0
Phenol 90%	A	1
Phosphoric Acid 85%	B	0
Silver Nitrate, Saturated	B	0
Sodium Hydroxide 10%	B	0
Sodium Hydroxide 20%	B	0
Sodium Hydroxide 40%	B	0
Sodium Hydroxide Flake	B	0
Sodium Sulfide, Saturated	B	0
Sulfuric Acid 33%	B	0
Sulfuric Acid 77%	B	0
Sulfuric Acid 96%	B	0
Sulfuric Acid 77%, and Nitric Acid 70%, equal parts	B	0
Toluene	A	0
Trichloroethane	A	0
Xylene	A	0
Zinc Chloride, Saturated	B	0

After 24-hours 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

TEST METHOD A

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

TEST METHOD B

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

PHYSICAL PROPERTIES TESTING

TEST Procedure	PROPERTY Description	SPC-CR RESULT Unit of Measurement
EN 438-2:10	Resistance to Surface Wear	≥150 Revolutions (Initial Point)
EN 438-2:21	Resistance to Impact	0.4 Indentation Diameter (mm) No Cracks or Scoring
EN 438-2:25	Resistance to Scratch	5 Rating (Based on Load)
EN 438-2:16	Resistance to Dry Heat (320°F)	5 Appearance (Rating)
EN 12721	Resistance to Wet Heat (212°F)	5 Appearance (Rating)
EN 438-2:12	Resistance to Immersion in Boiling Water	5 Appearance (Rating) 0.4 Mass Increase % 1.9 Thickness Increase %
EN 438-2:17	Dimensional Stability in Elevated Temperature	0.05 Longitudinal (Parallel) % 0.05 Transversal (Perpendicular) %
EN 438-2:26	Resistance to Staining (Appearance Rating)	5 Acetone 5 NaOH 5 Hydrogen Peroxide (H ₂ O ₂ 3%)
ASTM G53/ EN 4382:27	Resistance to Color Change	5 Rating (Grey Wool Scale) >6 Rating (Blue Wool Scale)
EN 438-2:24	Resistance to Cracking	5 Appearance (Rating)
ASTM 638-08/ EN ISO 178	Modulus of Elasticity	≥1.85e ⁶ psi
ASTM 790-08/ EN ISO 178	Flexural Strength	≥2.87e ⁴ psi
ASTM 638-08/ EN ISO 527-2	Tensile Strength	≥2.71e ⁴ psi
ASTM 792-08/ EN ISO 1183	Density	≥86.15 lbs/ft ³

Appearance Rating: 1 = Worst - 5 = Best (no effect)

SPC Standard Grade testing results also available upon request.

Durcon Solid Phenolic Compact - Limited Warranty

Laboratory Tops, Inc. d/b/a “Durcon” (hereinafter referred to as the “Warrantor”) warrants to the original purchaser that the materials and workmanship of Durcon Solid Phenolic Compact panels (hereinafter referred to as the “Durcon SPC”) shall conform to the standards set forth on the applicable Durcon technical data sheets (hereinafter referred to as the “Purchaser”), subject to the following limitations and conditions:

1. Color stability, resistance to chemicals, impact and fracture, mechanical and other technical specifications in the applicable Durcon SPC product data sheets.

Durcon SPC is a Compact Laminate according to EN 438 part 4, with an improved resistance against specific chemicals. For the period of one (1) year from the date of delivery by the Warrantor to Purchaser, Durcon SPC products shall display the properties and meet the requirements of SEFA3 as per the Durcon SPC product data sheet as published on www.durcon.com in the versions applicable at the time of delivery. This warranty does not cover any supplementary contractual agreements concerning material properties.

2. Delamination

For the period of ten (10) years from the date of delivery by the Warrantor to Purchaser, Durcon SPC products are warranted against delamination.

3. Scope of the Warranty

This Warranty applies only to Durcon SPC product in its original installation, purchased by the original purchaser, and with the original invoice. This Warranty does not cover exterior applications and, absent advance express written authorization signed by an officer of Durcon, is not transferable and expires upon transfer by the original purchaser. Durcon shall conduct an inquiry to determine the nature and source of the failure. If the failure is due to a defect covered by the Warranty, the Purchaser’s sole remedy shall be repair or replacement of all or any part of the defective Durcon SPC product, at Durcon’s option. Durcon shall not be responsible for any of the following: (a) 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, use of the product in a manner for which the product was not designed, or customer error or omission in specifications provided to Durcon; (b) costs associated with hardware, adhesives, removal of defective product, or installation of replacement product; (c) the cost of any attempt to correct defects in Durcon product without prior written authorization from Durcon; and (d) any incidental or consequential damages of a customer arising from a defective Durcon SPC product, including (without limitation) the customer’s loss of use or loss of profits.

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

4. Prerequisites for Performance of the Warranty

Prerequisites for the performance of this warranty are the observation and following of the respectively applicable processing regulations for Durcon SPC, as published on www.durcon.com, regarding the following: storage and handling, transport, application, and observation of the pertinent construction regulations. In addition, a warranty claim is only valid once the purchase price for the Durcon SPC panels has been settled in full. The assertion of a warranty claim is excluded if and in so far as the claimed damages are recoverable under an insurance policy taken out by the Purchaser or any end user. Any claim arising out of this Warranty must be submitted in writing to Warrantor at the following address no later than one (1) year after the date on which the Purchaser becomes aware of the claimed defect:

Durcon
206 Allison Drive
Taylor, TX 76574
Attention: Customer Service/Warranty Claims

5. Cleaning and Care

Durcon SPC panels can be cleaned only with soap and detergent solution or pursuant to the cleaning recommendations in the product data sheet published on www.durcon.com. The use of any cleaning agents with scouring components, paint thinners, white spirits, or similar items will void the warranty.

6. Applicable Law and Legal Venue

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