

CHEMICAL RESISTANT SHEET
TECHNICAL DATA

PROTECTOLITE™ SERIES 210 FRP CHECKERBOARD CORROSION SHEETS are manufactured under high heat and pressure in matched metal moulds meeting or exceeding CAN/CGSB 41.22 standards. **SERIES 210 CORR-FRP CHECKERBOARD** sheets are made using a premium grade isophthalic resin, with UV inhibitors, in a fiberglass filled composite laminate. Designed to be walked on, its moulded in anti-slip textured surface provides excellent slip resistance in all environments, indoors & outdoors. Unlike post moulded anti-slip grit top surfaces, the slip resistance will not break or fall off. It requires little to no maintenance. It is easily cleaned as it is inert to chemical cleaners thereby offering high degree of service in corrosive environments. *It is thermally stable, UV stabilized, nonconductive, light weight yet strong. It is easily cut in the shop or in the field for custom applications.*

<u>PROPERTIES:</u>	<u>VALUES:</u>	<u>METHOD:</u>
TENSILE STRENGTH	14-15,000 psi	ASTM D638
FLEXURAL STRENGTH	25-27,000 psi	ASTM D790
FLEXURAL MODULUS	1.0 x 10⁶ psi	ASTM D790
COMPRESSIVE STRENGTH	> 30,000 psi	ASTM D695
BARCOL HARDNESS	40-45	ASTM D2583
IZOD IMPACT, notched	> 12 ft-lb./in.	ASTM D256
WATER ABSORPTION (24 Hours @ 230C)	< 0.1%	ASTM D570
SPECIFIC GRAVITY	1.8 ± 0.05	ASTM D792
STANDARD COLOUR	Light Grey (Other colours available)	
ARC RESISTANCE	130 sec	ASTM D495
DIELECTRIC STRENGTH	475 VPM	ASTM D149
DIELECTRIC CONSTANT, 60Hz	4.5	ASTM D150
AVERAGE COEFFICIENT OF THERMAL EXPANSION (Inch/ Inch/°F)	10.5 x 10⁻⁶	ASTM D696
STANDARD SIZES	48”x 96”	
STANDARD THICKNESS	1/8” through 2”	

Series 210 FRP Checker Plate, ¼" thick.



Series 210 FRP Checker Plate – 600+lbs over a 48" span.



The property values shown are based upon tests believed to be reliable. However, no liability is assumed resulting from their use. We suggest that the user perform tests to establish the material's suitability for the specific application.

March 2023