Fiberglass Open Molded Grating

GatorGrate™



GatorGrate molded fiberglass grating is a one-piece, reinforced polyester or vinylester (FRP) grating, available in standard panels and sizes. It is manufactured by interweaving continuous, thoroughly wetted, fiberglass strand with thermosetting resin systems. Standard panels are available in three resin systems, two top surface configurations, four panel sizes and five standard grid patterns. Typical applications include floor systems, walkways, work platforms, stairs, ramps, trench covers & catwalks. GatorGrate has been successfully used in many industries – including food processing, beverage, chemical processing, water & wastewater treatment, metal finishing, pulp/paper, transportation, pharmaceutical, textile, oil/gas & mining/smelting/refining.

"How To Write A Grating Specification" is available. Just ask for it.

Standard Resin Systems

Standard GatorGrate resin systems are made from premium grade resins. The three standard resin systems are:

PFR - Polyester resin system with Class 1 fire retardation, per ASTM E-84. Moderate corrosion resistance.

IFR Plus - Premium grade Isophthalic Polyester resin system with Class 1 fire retardation per ASTN E-84. Excellent corrosion resistance.

PFR & IFR Resin systems meet USDA standards for incidental food contact.

Available colors for PFR & IFR are green, yellow, dark gray, & light gray.

VFR - Vinyl Ester resin system with Class 1 fire retardancy, per ASTM B-84. For maximum corrosion resistance in Seasafe's standard resin systems, specify VFR.

Available colors: orange & dark gray.

Other resin systems and colors are available on special order. All GatorGrate resin systems incorporate an ultraviolet (UV) inhibitor.



Standard Grid Patterns

GatorGrate molded grating is available in five standard grid patterns. Grid dimensions are center line to center line.

1" thick, 1" x 4", rectangular grid Bearing bars 0.325" thick Cross bars 0.5625" thick Open area of 60% Designation is RM-1410

1¹/₂" thick, 1" x 6", rectangular grid Bearing bars 0.375" thick Cross bars 0.375" thick Open area of 63% Designation is RM-1615

1" thick, $1^{1/2}$ " x $1^{1/2}$ ", square grid Bearing bars 0.2350" thick Cross bars 0.2350" thick Open area of 70% Designation is GG-1510

1¹/₂" thick, 1¹/₂" x 1¹/₂", square grid Bearing bars 0.250" thick Cross bars 0.250" thick Open area of 70% Designation is GG-1515

2" thick, 2" x 2", square grid Bearing bars 0.3125" thick Cross bars 0.3125" thick Open area of 72% Designation is GG-2020

Available Top Surfaces

Grit top – integral embedded silica sand, to a nominal depth of 3/16" Meniscus – concave, half-moon cross section

Applied Grit – epoxy grit bonded to meniscus top panels

Standard P	anel Sizes & Weights		
RM-1410	4' wide x 12' long	170 lbs	
RM-1615	4' wide x 12' long	218 lbs	
GG-1510	3' wide x 10' long	91 lbs	
	4' wide x 12' long	140 lbs	
GG-1515	3' wide x 10' longs	124 lbs	
	4' wide x 8' long	131 lbs	
	4' wide x 12' long	193 lbs	
	5' wide x 10' long	203 lbs	
GG-2020	4' wide x 12' long	205 lbs	

Fiberglass Open Molded Grating

GatorGrate[™]—Load & Deflection Data



CONCENTRATED LOAD, 12" WIDE STRIP



UNIFORM LOAD

Clear

Span

50

The Load and Deflection Data provided in these tables are intended as guides only, to help you determine the proper grating size for your application. The use of different resin systems and top surface options can produce variations up to 15% in these values. Because the product will be used in environments and under operating conditions that are not within our control, we cannot guarantee the performance of the grating.

FRP products have low modulus of elasticity but high tensile strength, therefore, loads are generally limited to the allowable deflection determined by the end user. The following data are based on tests utilizing panels supported on two sides only. Additional stiffness can be achieved by using cross supports (see Seasafe's Tech Support Bulletin #1).

250

.250"

Def

.375"

Def

F	RM-14	10, R	ectan	gular	, 1" 1	hick	(1" x 4	4")		
	Clear Snan	100	Load,	in Lbs	., Defle	ction in	Inches	2000	.250" Def	.375" Def
_	opun	100	200	500	750	1000	1000	2000	Bei	201
	18"	.025	.064	.127	.191	.255	.382	**	980	1470
	24"	057	.143	.285	.428	* *	* *	* *	430	650
	36"	.167	.418	**	* *	* *	* *	**	150	230
	48" *	.357	**	**	* *	* *	* *	**	70	100

RM-1615,	Rectangular,	11/2"	Thick	(1"	x 6")	

Clear	Conc	entrate	d Load,	in Lbs.	Inches	.250"	.375"		
Span	100	200	300	500	750	1000	1500	Def	Def
12"	.013	.024	.035	.056	.078	.097	.128	3982	7097
18"	.022	.038	.052	.078	.107	.132	.176	2438	4532
24"	.031	.052	.071	.110	.158	.201	.283	1292	2088
30"	.042	.77	.111	.180	.258	.332	.476	724	1149
36"	.082	.114	.182	.255	.367	.476	**	490	768
42"	.096	.171	.255	423	* *	* *	* *	293	442
48"	.116	.227	.337	**	**	* *	* *	220	334

GG-1510 Square, 1" Thick (1½" x 1½")

Clear		Load,	in Lbs	., Defle	ction in	Inches		.250"	.375"
Span	100	250	500	750	1000	1500	2000	Def	Def
18"	.039	.098	.196	.293	.391	* *	**	640	960
24"	.093	.232	.464	* *	* *	* *	**	270	410
36"	.313	**	**	* *	* *	* *	**	80	120
48" *	* *	* *	* *	* *	* *	* *	* *	35	50

GG-1515 Square, 11/2" Thick (11/2" x 11/2")

Clear		Load,	in Lbs	.250"	.375"				
Span	100	250	500	750	1000	1500	2000	Def	Def
18"	.012	.030	.060	.090	.120	.181	.241	2060	3090
24"	.029	.071	.143	.214	.285	.428	**	860	1290
36"	.096	.241	.482	* *	* *	* *	**	260	385
48" *	.228	**	**	* *	* *	* *	**	110	160
60" *	.446	* *	* *	* *	* *	**	**	55	85

6	GG-2020 Square, 2" Thick (2" x 2")									
Clear Load, in Lbs., Deflection in Inches .250" .37										.375"
	Span	100	250	500	750	1000	1500	2000	Def	Def
	18"	.008	.020	.040	.060	.080.	.120	.160	2950	4420
	24"	.017	.043	.086	.129	.171	.257	.343	1455	2200
	36"	.048	.120	.240	.360	.480	**	**	520	785
	48" *	.110	.275	**	**	**	**	**	230	340
	60" *	.229	**	* *	* *	**	**	**	110	165

* Clear span is 2" less than width of grating.

1080 18" .012 .018 .024 .035 .048 .050 1540 24" ..038 .057 .075 .113 .151 .189 330 490 ** ** 90 36" .139 .209 .278 .417 130 ** ** 48" * .420 * * * * * * 30 40 RM-1615, Rectangular, 11/2" Thick (1" x 6")

Clear	Un	iform L	.oad, in	Lbs., C)eflectic	on in Inc	hes	.250"	.375"
Span	100	200	300	500	750	1000	1500	Def	Def
12"	.003	.005	.006	.009	.019	.031	.062	4046	6069
18"	.007	.010	.013	.020	.039	.065	.131	1915	2872
24"	.013	.020	.027	.040	.080.	.133	.285	1915	2872
30"	.027	.040	.054	.081	.161	.289	**	465	698
36"	.048	.072	.096	.143	.287	.478	**	262	393
42"	.093	.140	.196	.278	* *	* *	**	134	202
48"	.142	.214	.235	.427	**	* *	**	88	132

GG-1510 Square, 1" Thick (11/2" x 11/2")

RM-1410, Rectangular, 1" Thick (1" x 4")

100

75

Load, in Lbs./Ft.² Deflection in Inches

150

200

Clear Span	Lo 50	oad, in L 75	.bs./Ft.² [100	Deflection 150	n in Inch 200	es 250	.250" Def	.375" Def
18"	.018	.028	.037	.055	.073	.092	695	1035
24"	.058	.087	.116	.174	.232	.290	220	330
36"	.293	.440	**	* *	**	**	45	65
48" *	**	**	**	* *	**	**	15	20

GG-1515 Square, 1½" Thick (1½" x 1½")

Clear	Lo	oad, in L	es	.250"	.375"			
Span	50	75	100	150	200	250	Def	Def
18"	.006	.008	.011	.017	.023	.028	2170	3260
24"	.018	.027	.036	.054	.071	.089	685	1030
36"	.090	.135	.181	.271	.361	.451	135	205
48" *	.285	.428	**	**	**	**	45	65
60" *	**	* *	**	**	**	* *	* *	* *

GG-202	0 Squ	are, 2	" Thick	(2" x	2")			
Clear	Lo	oad, in L	.bs./Ft.² [Deflectio	n in Inch	es	.250"	.375"
Span	50	75	100	150	200	250	Def	Def
18"	.004	.006	.008	.012	.016	.020	2840	4260
24"	.011	.016	.021	.032	.043	.054	1165	1745
36"	.045	.068	.090	.135	.180	.225	1810	2710
48" *	.138	.206	.275	.413	* *	**	90	135
60" *	.358	* *	* *	* *	* *	* *	35	55

* Clear span is 2" less than width of grating.

Fiberglass Compression Molded Grating

KORDEK®

KORDEK[®] compression molded Fiberglass Reinforced Plastic (FRP) gratings offer the best available combination of strength, durability and ease of installation. The compression molded grating system, originated in 1971 by International Grating, Inc., (now a part of Seasafe), is the only system of its kind in the world.

The patented matched-die process exerts over 600-tons of heated force uniformly throughout the entire glass and resin bonding operation. The hydraulic pressure of compression molding forces glass deep into the resin, and forces out air, creating an extra dense and less porous grating than with open molded grating. The resulting high density KORDEK[®] grating panels provide higher flexural and impact strength and better chemical and UV resistance than any other molded FRP grating. The molded raised studs on the surface of each panel (which are not available on open molded grating), provide the additional advantage of a non-skid surface.

The strength of KORDEK[®] results from the unique way the continuous strands of reinforcing glass are woven throughout the grating. The power molding process of KORDEK[®] employs twice as much reinforcing glass as is found in open molded FRP gratings. As a result, KORDEK[®] gratings are up to twice as strong as open molded gratings, and can be verified by comparing load/deflection data. Greater strength in less thickness allows for fewer support members for given deflection, which reduces material cost and translates to savings for our customers.

Compression molding makes KORDEK[®] a stronger, more durable grating with an extra measure of corrosion and UV resistance that surpasses open molded gratings under typical grating installations.



KORDEK[®] SQUARE-MESH GRATING

KORDEK[®] compressionmolded 1 1/2" x 1 1/2" square mesh grating offers maximum design and installation versatility because bearing bars span in both directions. KORDEK[®] square-mesh can be cut and installed in almost any configuration.

KORDEK® RECTANGULAR-MESH GRATING

KORDEK[®] compression molded 1" x 6" rectangularmesh grating offers the highest carrying capacity when panels span the lengthwise (108") direction. The panel size matches most steel grating, to simplify replacing existing steel grating.



Standard Resin Systems & Color

The two standard resin systems for KorDek®.

 $\ensuremath{\mathsf{IFR}}$ – Premium grade polyester resin system with Class 1 fire retardancy, per ASTM E-84. Standard colors are yellow and green.

VFR – Vinylester resin system with Class 1 fire retardancy, per ASTM E-84. Standard color is orange.

Standard Non-Skid "Raised Stud" surface. Optional (special) Applied grit surface. (Epoxy grit is bonded to the wide side of the grating bar.)

Plus custom colors available upon request.

Panel Weights 8	Copen Area	
KS-1510	100 lbs per panel	60% Open area
KS-1515	160 lbs per panel	60% Open area
KR-10	85 lbs per panel	72% Open Area
KR-15	125 lbs per panel	72% Open area

KorDek[®] Dimensions



Standard Thickness: 1' & 1¹/2"

Available in $1^{1}/4^{"}$ and $1^{3}/4^{"}$





"Seasafe is the world's only manufacturer of all three types of Fiberglass Reinforced Plastic (FRP) grating, pultruded (GatorDeck®), open molded (GatorGrate®), and compression molded (KorDek®)."

Fiberglass Compression Molded Grating

KORDEK® UNIFORM LOAD

KS-151	0, 1"	Thic	k, 1¹/	′2" X ⁻	¹ /2" {	Square	Mesh		
Clear		Load,	in Lbs	., Defle	ction in	Inches		.250"	.375"
Span	50	100	200	300	500	1000	2000	Def	Def
18"	0.01	0.03	0.05	0.08	0.13	0.26	**	962	1442
24"	0.04	0.08	0.16	0.23	0.39	**	**	321	481
36"	0.19	0.36	**	* *	* *	**	**	69	104

KS-1515, 1¹/2" Thick, 1¹/2" x 1¹/2" Square Mesh

Clear		Load,	.250"	.375"					
Span	50	100	200	300	500	1000	2000	Def	Def
18"	< 0.01	0.01	0.02	0.02	0.04	0.08	0.15	3333	5000
24"	0.01	0.02	0.04	0.07	0.11	0.22	0.44	1136	1705
36"	0.05	0.10	0.20	0.30	0.50	* *	**	250	375
48"	0.16	0.31	**	**	* *	* *	* *	81	121
54"	0.25	0.48	**	**	* *	**	**	52	78
60"	0.37	**	* *	**	* *	**	**	34	51

KR-10, 1" Thick, 1" x 6" Rectangular Mesh

Clear		Load,	in Lbs	., Defle	.250"	.375"			
Span	50	100	200	300	500	1000	2000	Def	Def
18"	0.01	0.01	0.03	0.04	0.06	0.13	0.25	2000	3000
24"	0.02	0.04	0.08	0.11	0.19	0.37	**	676	1014
36"	0.09	0.18	0.35	**	* *	**	**	143	214
48	0.28	* *	**	* *	* *	**	**	45	67

ł	<r-12,< th=""><th>1¹/4"</th><th>Thic</th><th>k, 1"</th><th>x 6"</th><th>Recta</th><th>ngular</th><th>Mesh</th><th></th><th>(Special)</th></r-12,<>	1 ¹ /4"	Thic	k, 1"	x 6"	Recta	ngular	Mesh		(Special)
	Clear		Load,	in Lbs	., Defle	ction in	Inches		.250"	.375"
_	Span	50	100	200	300	500	1000	2000	Def	Def
	18"	0.01	0.01	0.02	0.03	0.05	0.10	0.19	2632	3947
	24"	0.02	0.03	0.06	0.09	0.14	0.29	**	862	1293
	36"	0.07	0.14	0.28	0.41	* *	* *	**	183	274
	48"	0.22	0.43	**	* *	* *	**	**	58	87
	54"	0.31	**	**	* *	* *	**	**	40	60

KR-15, 1¹/2" Thick, 1" x 6" Rectangular Mesh

Clear		Load,	in Lbs	., Defle	ction in	Inches		.250"	.375"	
Span	50	100	200	300	500	1000	2000	Def	Def	
18"	< 0.01	0.01	0.02	0.02	0.04	0.07	0.15	3333	5000	
24"	0.01	0.02	0.04	0.06	0.10	0.19	0.39	1282	1923	
36"	0.04	0.08	0.17	0.25	0.41	* *	**	305	457	
48"	0.13	0.25	0.49	**	* *	* *	**	102	153	
54"	0.19	0.37	**	**	* *	**	**	68	101	
60"	0.29	**	* *	* *	* *	* *	**	43	65	

	KR-17,	1 ³ /4"	Thic	k, 1"	x 6"	Recta	n <mark>gular</mark>	Mesh		(Special)
	Clear		Load,	in Lbs	s., Defle	ection in	Inches		.250"	.375"
	Span	50	100	200	300	500	1000	2000	Def	Def
Ī	18"	< 0.01	< 0.01	0.01	0.01	0.02	0.05	0.09	5556	8333
	24"	0.01	0.01	0.03	0.04	0.06	0.13	0.25	2000	3000
	36"	0.03	0.06	0.11	0.17	0.28	**	**	446	670
	48"	0.09	0.16	0.32	0.47	* *	* *	**	160	239
	54"	0.14	0.26	0.50	**	* *	**	**	100	150
	60"	0.21	0.39	**	**	**	**	**	64	96
	66"	0.30	**	**	**	* *	**	**	42	63
	72"	0 42	* *	* *	**	**	**	**	30	45

KORDEK® CONCENTRATED LOAD, 12" WIDE STRIP

KS-15()1, 1"	Thic	k, 1 ¹ /	′2" X 1	¹ /2" \$	Square	Mesh		
Clear		Load,	in Lbs	., Defle	ction in	Inches		.250"	.375"
Span	50	100	200	300	500	1000	2000	Def	Def
18"	0.01	0.03	0.06	0.08	0.14	0.28	**	893	1339
24"	0.03	0.06	0.13	0.19	0.31	**	**	403	605
36"	0.10	0.19	0.37	**	**	**	**	135	203
KS-151	15 11	/2" Th	lick	11/2"	x 11/2	" Sau	are Me	sh	
	, , ,	Load	in Lbs	Doflo	ction in	Inchos		050	075"
Span	50	100	200	300	500	1000	2000	.250" Def	.375" Def
18"	< 0.01	0.01	0.02	0.02	0.04	0.08	0.16	3125	4688
24"	0.01	0.02	0.04	0.05	0.09	0.18	0.35	1429	2143
36"	0.03	0.06	0.11	0.16	0.27	**	**	463	694
48"	0.06	0.12	0.24	0.36	**	**	**	208	313
54"	0.09	0.17	0.33	0.49	**	**	**	153	230
60"	0.12	0.23	0.44	**	**	**	**	144	170
KR -10	1" Th	lick	1" x (6" Rei	ctand	ular M	esh		
0		l oad	in I be	Doflo	ction in	Inches	0011	050	075
Clear Span	50	1000,	200	., Delle 300	500	1000	2000	.250" Def	.375" Def
18"	0.01	0.01	0.03	0.04	0.07	0.13	0.27	1852	2778
24"	0.02	0.03	0.00	0.09	0.07	0.30	**	833	1250
36"	0.05	0.09	0.19	0.28	0.46	**	**	272	408
48	0.11	0.22	0.43	**	**	**	**	116	174
		T 1. 1		0		1	141		
KK-12,	l'/4"	INIC	K, I"	Х 0" I	Recta	ngular	mesn		(Special)
Clear	50	Load,	in Lbs	., Defle	ction in	Inches		.250"	.375" Dof
Jou	50	100	200	300	500	1000	2000		
18"	0.01	0.01	0.02	0.03	0.00	0.10	0.21	2301	30/1
24	0.01	0.02	0.05	0.07	0.12	0.23 **	**	247	521
30 //8"	0.04	0.00	0.13	0.22	**	**	* *	150	225
54"	0.03	0.17	0.00	**	**	* *	**	119	179
		0.2.1	0112						
KR-15,	1 ¹ /2"	Thic	k, 1"	x 6"	Recta	ngular	Mesh		
Clear		Load,	in Lbs	., Defle	ction in	Inches		.250"	.375"
Span	50	100	200	300	500	1000	2000	Det	Det
18"	< 0.01	0.01	0.02	0.02	0.04	0.08	0.16	3125	4688
24"	0.01	0.02	0.03	0.05	0.08	0.16	0.31	1613	2419
30" 40"	0.02	0.05	0.09	0.13	0.22	0.43		281	8/2
4ð''		0 1 0	0 00	0 00	0 1 0	* *	* *	260	201
5.4"	0.05	0.10	0.20	0.29	0.48 **	**	**	260	391
54" 60"	0.05 0.07 0.09	0.10 0.13 0.18	0.20 0.26 0.35	0.29 0.39 0.50	0.48 **	**	** **	260 192 150	391 288 225
54" 60" 66"	0.05 0.07 0.09 0.18	0.10 0.13 0.18 0.34	0.20 0.26 0.35 **	0.29 0.39 0.50 **	0.48 ** **	** ** **	** ** **	260 192 150 76	391 288 225 114
54" 60" 66"	0.05 0.07 0.09 0.18	0.10 0.13 0.18 0.34	0.20 0.26 0.35 **	0.29 0.39 0.50 **	0.48 ** **	** ** **	** ** **	260 192 150 76	391 288 225 114
54" 60" 66" KR-17,	0.05 0.07 0.09 0.18 1 ³ /4"	0.10 0.13 0.18 0.34 Thic	0.20 0.26 0.35 ** k, 1"	0.29 0.39 0.50 ** x 6"	0.48 ** ** ** Recta	** ** ** ngular	** ** ** Mesh	260 192 150 76	391 288 225 114 (Special)
54" 60" 66" KR-17, Clear	0.05 0.07 0.09 0.18 1 ³ /4"	0.10 0.13 0.18 0.34 Thic Load,	0.20 0.26 0.35 ** k, 1" in Lbs	0.29 0.39 0.50 ** x 6" ., Defle	0.48 ** ** Recta	** ** ** ngular Inches	** ** ** Mesh	260 192 150 76 .250"	391 288 225 114 (Special) .375"
54" 60" 66" KR-17, Clear Span	0.05 0.07 0.09 0.18 1 ³ /4" 50	0.10 0.13 0.18 0.34 Thic Load, 100	0.20 0.26 0.35 ** k, 1" in Lbs 200	0.29 0.39 0.50 ** x 6" 1 ., Defle 300	0.48 ** ** Recta ction in 500	** ** ** ngular Inches 1000	** ** ** Mesh 2000	260 192 150 76 .250" Def	391 288 225 114 (Special) .375" Def
54" 60" 66" KR-17, Clear Span 18"	0.05 0.07 0.09 0.18 1 ³ /4" 50 <0.01	0.10 0.13 0.18 0.34 Thic Load, 100 <0.01	0.20 0.26 0.35 ** k, 1" in Lbs 200 0.01	0.29 0.39 0.50 ** x 6" 1 ., Defle 300 0.02	0.48 ** ** Recta ction in 500 0.03	** ** ** Inches 1000 0.05	** ** ** Mesh 2000 0.10	260 192 150 76 .250" Def 5000	391 288 225 114 (Special) 375" Def 7500
54" 60" 66" KR-17, Clear Span 18" 24"	0.05 0.07 0.09 0.18 1³/4" 50 <0.01 0.01	0.10 0.13 0.18 0.34 Thic Load, 100 <0.01	0.20 0.26 0.35 ** k, 1" in Lbs 200 0.01 0.02	0.29 0.39 0.50 ** x 6" 1 ., Defle 300 0.02 0.03	0.48 ** ** Recta ction in 500 0.03 0.05	** ** ** Inches 1000 0.05 0.10	** ** ** Mesh 2000 0.10 0.20	260 192 150 76 .250" Def 5000 2500	391 288 225 114 (<i>Special</i>) .375" Def 7500 3750
54" 60" 66" KR-17, Clear Span 18" 24" 36"	0.05 0.07 0.09 0.18 1³/4" 50 <0.01 0.01 0.02	0.10 0.13 0.18 0.34 Thic Load, 100 <0.01 0.03	0.20 0.26 0.35 ** in Lbs 200 0.01 0.02 0.06	0.29 0.39 0.50 ** , Defle 300 0.02 0.03 0.09	0.48 ** ** Recta ction in 500 0.03 0.05 0.15	** ** ngular Inches 1000 0.05 0.10 0.29	*** *** *** Mesh 2000 0.10 0.20 **	260 192 150 76 .250" Def 5000 2500 862	391 288 225 114 (<i>Special</i>) .375" Def 7500 3750 1293
54" 60" 66" KR-17, Clear Span 18" 24" 36" 48"	0.05 0.07 0.09 0.18 1³/4" 50 <0.01 0.01 0.02 0.03	0.10 0.13 0.18 0.34 Thic Load, 100 <0.01 0.03 0.07	0.20 0.26 0.35 ** in Lbs 200 0.01 0.02 0.06 0.13	0.29 0.39 0.50 ** x 6" 1 300 0.02 0.03 0.09 0.19 2.57	0.48 ** Recta ction in 500 0.03 0.05 0.15 0.31	** ** ngular Inches 1000 0.05 0.10 0.29 **	** ** ** Mesh 2000 0.10 0.20 ** **	260 192 150 76 .250" Def 5000 2500 862 403	391 288 225 114 (<i>Special</i>) .375" Def 7500 3750 1293 605
54" 60" 66" KR-17, Clear Span 18" 24" 36" 48" 54"	0.05 0.07 0.09 0.18 1³/4" 50 <0.01 0.01 0.02 0.03 0.05	0.10 0.13 0.18 0.34 Thic Load, 100 <0.01 0.03 0.07 0.09	0.20 0.26 0.35 ** in Lbs 200 0.01 0.02 0.06 0.13 0.18	0.29 0.39 0.50 ** , Defle 300 0.02 0.03 0.09 0.19 0.27	0.48 ** ** Recta ction in 500 0.03 0.05 0.15 0.31 0.44	** *** *** Inchess 1000 0.05 0.10 0.29 ** **	** ** ** Mesh 2000 0.10 0.20 ** ** **	260 192 150 76 .250" Def 5000 2500 862 403 284	391 288 225 114 (<i>Special</i>) 375" Def 7500 3750 1293 605 426

The Load and Deflection Data provided in these tables are intended for guidance only, to help you determine the proper grating for your application. The use of different resin systems and surfaces can produce variations upt to 15% in these values. Because the product will be used in environments and under operating conditions that are not within our control, we cannot guarantee the performance of the grating. FRP products have low modulus of elasticity but high tensile strength, therefore loads are generally liminted to the allowable deflection determined by the end user. The following data are based on tests utilizing panels supported on two sides only. Additional stiffness can be achieved by using cross supports.

66'

72"

0.11

0.09 0.16 0.32 0.48

0.21 0.41

**

* *

* *

* *

**

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156

122

234

183

Fiberglass GatorPlate & Covered Molded Grating

GatorPlate[™] floor plate is perfect for fixing slippery spots or in large slippery areas. The anti-slip surface helps reduce slips & falls even when hazardous liquids are present.

Seasafe grating available with Gator Plate attached to the top for a smooth walking surface. Covered grating is used for odor control, elevated walkways to insure that nothing drops through the walkway onto the surface below.





Note: Covered molded grating has a varying degree of "out-of-flat." In most applications, this condition will require correction with hold down hardware.

Pedestals



Hardware Clips

	Ha	rdw	are	(Cli	ps)
	Type	HD10	1510	1515	2020
End Panel	•G*	15	x	x	X
Hold Down	"J"	x	x	X	X
Hold Down	°M°	-	X	X	x



Type 316 stainless steel clips are available with or without nut, bolt or washer. Other metals available upon request. For maximum safety, we recommend that all grating be fastened to support structure. When ordering clips, please specify type of grating.



Fiberglass Stair Treads & Stair Tread Covers

GATORGRATE

Cut your own stair treads from GatorGrate Stair Tread panels.

-	1				-N
-			- (
				and the second	
2210	1000	Same and	ACCORDED IN	States and	10000

Ease of cutting - the panel design incorporates cutting "slots" every six inches so treads can be cut inexpensively, quickly and accurately, resulting in banded treads on both ends.

Economy - the $22-3/4" \times 120"$ panel size offers numerous combinations to maximize the number of treads (less wastage = less cost).

Chemical Compatibility - A detailed table of chemical compatibility for GatorGrate products based on resin

manufacturers' data is available. This table provides maximum allowable concentrations and temperatures. Call us at **800-326-8842** or fax **337-406-8880** and ask for SeaSafe Tech Support Bulletin #3.



Stair Tread Covers



Fiberglass Stair Tread Covers are a cost-effective way to improve stairway safety for your workers.

Made with corrosion resistant resin with a low flame spread rating. Panels include an integral grit top surface and a woven fiberglass mat.





Work Station Platforms Work Stands by Seasafe are designed for

work stands by seasale are designed for ergonomics and safety. These work stands are used in food processing, beverage, metal finishing, pharmaceutical, and many other industries. The flexible anti-skid surface provides less strain on your feet, legs, and lower back area.

Contact Seasafe for availability



KORPLATE™ & KORDEK®

KorPlate[™]

High strength-to-weight ratio, plus outstanding corrosion resistance!



KorDek[®] Stair Treads

KorDek[®] stair treads are made from sturdy 1 1/2" thick grating. Two styles are available: angle-nose and filled nose. Nonskid aggregate surfacing is standard on both, in compliance with OSHA specifications 1910.24f.





The composite construction of KorPlate uses a proprietary compression-molding process that combines heat and pressure to produce a high-density, high strength panel. This unique product features a slip-resistant, molded-in diamond pattern for improved footing. KorPlate also works as an excellent cover for odor, vapor or fume control and is great for trench covers.

Panel Sizes &	Weights
1/4" x 48" x 96"	2.3 lbs/sq. ft.
3/8" x 48" x 96"	3.4 lbs/sq. ft.
1/2" x 48" x 96"	4.6 lbs/sq. ft.
3/4" x 48" x 69"	6.8 lbs/sq. ft.

Panel Sizes & Weights

IFR - Premium grade polyester resin system with Class 1 fire retardency per ASTM E-84.VFR - Vinylester resin system with Class 1 fire retardency, per ASTM E-84.

Standard Colors

Standard colors are yellow and gray. Custom colors are available upon request. 15 panel minimum avoids set-up charge.

KorPlata	Uniform	0.00
NULLIALD		LUat

Style &		Loa	id, in Lb	s., Defle	ction in In	ches		Maximum	Ultimate	EI
Thickness	Span	40	80	120	160	200	240	Safe Load	Load	(x10*)
KP-3	12"	0.02	0.05	0.07	0.09	0.12		220	440	0.039
1/4"	18"	0.12						60	120	0.039
	12"	0.01	0.01	0.02	0.03	0.03	0.04	580	1160	0.132
KP-4	18"	0.04	0.07	0.11	0.14	0.17		220	440	0.132
3/0"	24"	0.12	0.23					80	160	0.132
	30"	0.29						40	80	0.132
	12"	<,01	0.01	0.01	0.01	0.01	0.02	660	1320	0.314
KP_5	18"	0.02	0.03	0.05	0.06	0.07	0.09	500	1000	0.314
1/2"	24"	0.05	0.10	0.14	0.19	0.23		220	440	0.314
	30"	0.12	0.24					100	200	0.314
	36"	0.26						40	80	0.314
	12"	<.01	<.01	<.01	<.01	<.01	0.01	2620	5240	1.061
	18"	0.01	0.01	0.01	0.02	0.02	0.03	1680	3360	1.061
	24"	0.02	0.03	0.04	0.06	0.07	0.08	720	1440	1.061
KP-6	30"	0.04	0.07	0.11	0.14	0.17	0.20	360	720	1.061
3/4"	36"	0.08	0.15	0.22	0.29	0.36		220	440	1.061
	42"	0.15	0.28	0.40				120	140	1.061
	48"	0.25	0.47					80	160	1.061
	54"	0.41						40	80	1.061
	60"	0.62						40	80	1.061

KorDek® Grating Clips



Fiberglass Pultruded Grating

GATOR DECK®

Pultrusion is a continuous molding process in which glass roving, glass matting, and a synthetic surface veil are literally "pulled" simultaneously through a flame-retardant polyester or vinylester resin bath. Desired geometric shapes are formed and solidified as they are pulled through a heated steel die. AMICO-Seasafe's Gator Deck[®] pultruded grating provides the ultimate combination of strength, corrosion resistance, and structural integrity as a result of the automated pultrusion process.



Standard Resin Systems

Standard Resins meet ASTM E-84 Class 1 flame rating, and include UV inhibitors for applications involving continuous exposure to the sun. Choose from the following standard resin systems. Call us about creating special resins for unique environments, such as low smoke, low toxicity, or extra low flame applications.

IFR — Made with a premium-grade isophthalic polyester flame-retardant resin system. Standard colors are yellow and gray for pultruded grating. WT grating and one inch I-bar gratings are also available in white.

VFR — Made with a premium-grade vinylester flame-retardant resin system for added protection against corrosion. Standard colors are yellow and gray for pultruded grating.

Special resins — Please call us to develop resin systems for your application.

GatorDeck P	ultruded Gra	ting Selecti	on			
Open Series	Area	Flange Depth	Top Bar Width	Spacing	Bars/Ft.	Lbs/Ft ²
I-6010	60%	1"	.6"	1-1/2"	8	2.35
I-4010	40%	1"	.6"	1"	12	3.41
I-6015	60%	1-1/2"	.6"	1-1/2"	8	2.83
I-4015	40%	1-1/2"	.6"	1"	12	4.13
T-2515	25%	1-1/2"	1-1/2"			
T-1215	12%	1-1/2"	1-1/2"			
T-5020	50%	2"	1"	2"	6	3.1
T-3320	33%	2"	1"		8	4.1
WT-3310	33%	1"	1-5/8"			
WT-1810	18%	1"	1-5/8"			

Clear span				CI	. = c in ll	oncen bs/ft o	trated f widt	load h				
between grating	(SPAN INCHES)	LOAD TYPE	/		L						OAI .25-inch deflection	FOR .375-inch deflection
supports	12	UL UL deficition CL CL velocition	250 .005 250 .007	500 .009 500 .014	750 .014 750 .022	1000 .018 1000 .029	1500 .028 1500 .043	2000 .037 2000 .057	2500 .046 2500 .072	3000 .055 3000 .086	13636 8721	20455 13081
	18	UL UL deflection CL CL deflection	125 .010 125 .011	250 .021 250 .022	500 .042 500 .044	750 .063 750 .067	1000 .084 1000 .089	1500 .125 1500 .133	2000 .167 2000 .177	2500 .209 2500 .222	2994 2820	4491 4229
Uniform Load —	24	UL deflection CL deflection	100 .025 100 .020	125 .031 125 .025	250 .062 250 .050	500 .125 500 .100	750 .187 750 .150	1000 .249 1000 .199	1500 .374 1500 .299	2000 .499 2000 .399	1003 1254	1504 1881

Load deflection data was derived from laboratory tests conducted by AMICO-Seasafe[®]. Values tabled are for design selection only. A deflection of .25-inch is generally recommended as maximum for pedestrian comfort. It can be exceeded at the discretion of the specifying engineer.



Typical Physical Phys	roperties of A	MICO-Sea	asafe® Pultrudeo	d Components
Property	Test Method	Units	I-Series 70-75% Glass	T-Series 65-70% Glass
Tensile Strength	ASTM D-638	PSI	125,000	100,000
Tensile Modulus	ASTM D-638	PSI	6.0 x 10 ⁶	5.6 x 10 ⁶
Flexural Strength	ASTM D-790	PSI	125,000	100,000
Flexural Modulus	ASTM D-790	PSI	6 x 10°	5.6 x 10°
Compressive Strength	ASTM D-695	PSI	65,000	60,000
Izod Impact Notch	ASTM D-256	Ft-Lbs/In	40	40
Barcol Hardness			50 (min)	50 (min)
Specific Gravity	ASTM D-792		2	2
Water Absorption	ASTM D-570	Max %	.03	.03
Flame Retardant	ASTM E-84		Less than 25	Less than 25
Flame Retardant	ASTM D-635		Self-	Self-
			Extinguishing	Extinguishing

LOAD & DEFLECTION DATA

GATOR	DECK® G	D-16010 SPAN	LOAD								↓ 1.0"	LOAI	D FOR
		INCHES	TYPE									deflection	deflection
		12	UL UL deflection	250	500	1006	1500	2000	2400	2800	3200		1
Bearing Bar Type Onen Area	I-Bar 60%		CL. CL. deflection	250 007	500 014	1000	1500 043	2000	2400 .069	2800	3200 .092		
Thickness	1.0"	18	UL UL deflection	100 .008	250 .021	500 042	750 062	1000 .083	1200 _100	1500 125	1800 .149	3012	4538
Bearing Bar Centers	1.5"		CL CL deflection	100 .009	250 .023	500 .045	750 .068	1000	1208	1500 135	1800	2778	4067
Colors	Yellow,	24	UL UL deflection	100 J025	200 .050	300 .075	400 .099	600 .149	800 .199	1000 249	1208	1005	2508
	Gray,		CL CL deflection	100 J020	200 .041	400 082	600 .122	800 .163	1000 204	1200 245	1500	1225	1838
Approximate	or White	30	LIL. LIL. deflection	100 .058	200 .115	300 175	400 231	500 ,288	600 346	800 461		434	650
Weight	2.35 lbs/sq ft		CL CL deflection	200 074	300 311	600 ,148	500 .185	600 221	800 295	1000		677	1015
Other Bar Spacing Available	40% & 50%	36	UL. UL deflection	100 .113	125 343	150 _169	200 226	500 339	400 (452			221	\$32
	Open Area	2	CL CL deflection	100	200 .122	400 243	500 .304	600 365	700			411	617
		42	UL UL deflection	75 135	100 .179	125 224	150 269	250 .449		1		139	209
			CL CL deflection	100 196	150 .144	200 .193	310 289	400 385				260	398
		48	UL UL detection	50 376	75 265	100 353	125 441					71	106
			CL CL deflection	100 141	150 212	200 282	250 353					177	266

GATOR DECK® GD-I6015

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Bearing Bar Type	I-Bar
Open Area	60%
Thickness	1.5"
Bearing Bar Centers	1.5"
Resin Systems	IFR, VFR
Colors	Yellow or Gray
Approximate Weight	2.83 lbs/sq ft
Other Bar Spacing	
Available	40% & 50%
	Open Area

SPAN INCHES	LOAD TYPE				<u> </u>	ے _د		<u> </u>	1	LOAJ .25-inch deflection	JFOR J75-inch deflection
12	UL UL deflection	250	500	1000	1500	2000	2500 D16	3500	4500		
	CL deflection	250 .003	500 .006	1000 012	2000 #24	3000 £04	4000 _048	3000 .060	6000		
18	UL UL deflection	250	.500 .019	1000	1300 245	2000 #91	2500 1076	3500 10e	4500		
1.30	CL CL deflection	250 .008	500 .036	1000 1031	3000 562	3000 293	4000	1000	e000 .186		0.1264
24	UL UL deflection	250 .023	500 046	1000	1300 337	2000	2500 228	3000 274	3500	1737	4105
	CL CL deflection	500 036	1000	1500	2000 .344	2500	3000	3900	4500	3472	8208
30	UL. UL deflection	250 .053	908 194	750 359	1000	1250	1500	1750	2000	1176	1768
	CL CL deflection	250 035	300	1000	1500 207	2000	2300 317	2600	2900	1812	2717
36	UL. UL deflection	100	125 ,050	250	900 198	600 238	800 317	1900		#31	947
	CL, CL deflection	200 .042	400	600 127	\$610 3,70	1000	1200 234	1400		1179	1244
42	UL. UL deflection	100	125 1099	200	300 236	400 317	600 476			315	473
-	CL CL deflection	100	200 072	300 108	400	8490 217	1000 .361			693	1039
48	UL. UL deflection	100	125	200 254	250	400				197	295
	CL CL deflection	100	200 .098	300 148	400	600 299				508	762
54	UL. UL deflection	23 .134	100	125	350 446					140	250
	CL deflection	100	200	300 238	600 .468					335	562
60	UL UL deflection	50 142	215	100 284	-					84	138
	CL deflection	100	207	300						247	370

→ 0.6" ← → → 0.9" ← - 1.5" -

LOAD & DEFLECTION DATA

GATOR DECK® GD-T5020

		SPAN INCHES	LOAD TYPE		£	Į	Ĵ		F	Ŧ	₹ 	LOA) .25-inch diffection	D FOR 375-inch deflection
21720.000 (MICE)	Terrescon 1	24	UL.	500	750	1000	1250	1500	2000	3000	4500		1
Bearing Ber Type	1-847	3272	LL defection	1128	038	.050	4263	.075	200	3000	200		
Thickness	2.0"		CT defection	.021	.031	/042	.092	.062	.083	125	166	1 - C - C - C - C - C - C - C - C - C -	CONTRACTOR (1947)
Bearing Bar Centers	2.0"	30	01	255	500	250	1005	1500	2600	2500	3000	1938	2907
Reain Systems	FR VFR	396	UE deflection	.032	.065	.097	.129	.194	:298	.325	387		5.33
Colors	Yellow & Cony	1 1	CL.	250	500	750	1000	1500	2000	2500	3000	- 3005	1500
Approx. Weight	3.00 En/sq #		CL deflection	3321	:042	.063	08.9	128		200	250	2010	1.005
Other Bar Spacing Avail.	ing Avail. 375 Open Area	36	UL deflection	109	250	198	750	1000	1230	325	.500		1497
		_3321	- Cit. detroction	100	250	500	750	1000	1250	1500	2000	1800	1800 2701 550 825
			CL deflection	.014	.035	.069	.104	139	174	208	278	1. 2390	
	3	42	ul.	100	128	250	500	730	1010	1250		550	625
		3765	UL deflection	/045	.037	114	.229	.541	3454	368			
		1 1	CL.	100	125	250	- 390	750	1000	3250		2166	1784
			Cl. deflection	.021	.029	.054	_197	101	210	.208		313	440
		48	III defection	100	250	240	320	400	460			1000	1.5355.0
		1 1	CT.	100	250	300	400	500	280	1.		786	1179
		L	CL defection	.032	.080	.095	.127	.159	257			1. 2009	1.033.60
		54	UL	100	125	250	300	400				208	313
			UL defection	.120	.150	.300	.369	482 -	1	-			- i i
		1 1	CL.	100	-250	300	400	500				563	841
			CL defection	.045	.312	.324	.328	.223	-			198	163
		60	US.	- 75	100	202	290					1.42	
			Cri economia	100	280	500	230		-		-	400	600
		1 1	CL defection	.062	1.05	312	.469						
		66	UL	35	100	125	150			A			541
		00	UL deflection		.267	.333	.400		_	-		1 10	- Contract
			CL	100	200	300	400					313	469
		1205-1	CL deflection	,000	,100	.240	.320			-		27	505
		72	UL deflection	78	100	449				11			.00
			CL GEBERGH.	100	250	400	-	-	-				365
			CL deflection	.103	.236	.410			1	1000		1. 223	11-32-22
STORE PROPERTY AND ADDRESS	12500 K	78	UL.	30	- 25							- 48	72
			EL defection	2.60	.390	_				-		3045	
		1 1	a	100	250					11 11		1.94	202
			CL defedion	129	322					1 C C C C C C C C C C C C C C C C C C C		10,000	1

Gator-Deck^{*} Treads



Accessories

Strong, safe, and corrosion resistant



	T-5020 I-6015		I-6015 I-60			
Span	1	Tread Ded	locition for the	Concentral	to bead br	
생활하는	250 lbs.	S00 lbs.	150 lbs.	500 Ibs.	356 lbs.	500 lbs
18*	0.009	0.018	0.000	0.619	6010	0.069
24"	0.018	0.036	0.019	0.039	0.075	0.147
30*	0.027	8.054	8,008	0.076	0.137	
36"	0.036	DON	0.057	0.105	0.216	
42*	0.054	0.108	0.0%6	0.173	-0.32	
43*	0.081	0.162	0.124	0.247		

For proper fit, maximum performance .

Clip Assemblies

Type 216 stanting steel cips, both, nats, and washers are available for panel positioning and held-down. Standard cips made of special alloys are also available upon request.



Grating HADD HADD HADD HADD HADD HADD T-SEE

State City GD-46690C5-316 GD-46695C5-316 GD-8909C3-316 GD-8909C5-316 GD-2500CS-316



and similar in which the

Conting 1-4010 1-4015 T-1056

Plate CEp CD-HIDICT-316 CD-HIDICT-316 CD-DBBCP-316

Standard Panels 4'-0 x 24'-0 3'-0 x 24'-0 3'-0 x 20'-0 4'-0 x 20'-0 4'-0 x 8'-0 3'-0 x 10'-0 4'-0 x 10'-0 4'-0 x 12'-0 Custom Panel sizes available; up to 5' widths and 24' lengths. Call Sensafe (337-406-2345) for details.

Fiberglass Sheet Pile & Louvers

Specifications For KorLock® Fiberglass Sheet Pile

- All sheet piling shall be KORLOCK® pultruded fiberglass with a linear coverage of 16 inches and a weight of approximately 3 lbs. per foot of sheetpile.
- Pultruded fiberglass corner T-connectors also available.
- Piling length is to be determined per installation and shall comply with the following properties:
- A. DEPTH OF SECTION4 in.
- B. LINEAR COVERS.....16 in.
- D. SECTION MODULUS4.42 in.3 per pile / 3.32 in.3 per ft. of wall
- E. MOMENT OF INERTIA9.68 in.⁴ per pile / 7.28 in.⁴ per ft. of wall
- F. TENSILE STRENGTH (LW)......30,000 psi.

- I. IZOD IMPACT (LW)25 ft.-lb./in.
- K. MODULUS OF ELASTICITY2.6 x 10⁶ psi
- L. COLORDark gray, custom colors by request
- M. WARRANTY20 years limited warranty
- N. MATERIALThermoset polyester or vinylester fiberglass
 - manufactured by the pultrusion process only

Interlocking design, wide panels simplify installation

Korlock[®] sheet pile panels are easily installed using any of several methods: jack hammer, water jet, vibratory driver or drop hammer. The interlocking design keeps each panel aligned as it is driven or jetted into position. The sheet pile wall can br capped with wood, concrete, or matching FRP composite.



FRP Intake Louvers

No Rust No Corrosion No Costly Maintenance

Intake louvers made from fiberglass reinforced plastic (FRP) are virtually maintenance free. They are stronger and lighter than steel, and they never rust. Kordek FRP louvers are custom manufactured to your specifications, and they are available in a variety of colors.





Fiberglass Cable Tray Systems

WHY SPECIFY SEASAFE CABLE TRAY?

Since 1978, Seasafe Fiberglass Cable Tray Systems have been tested and proven in the harsh environment of the offshore oil and gas industry. Subject to the corrosive conditions inherent in petroleum products, plus the daily punishment of exposure to wind, weather and saltwater – Seasafe Cable Tray has stood up!

Seasafe Cable Tray gives you the load capacity of steel plus the inherent characteristics afforded by our in-house Pultrusion Technology:

non-conductive, non-magnetic and corrosionresistant. Although light in weight, their strengthto-weight ratio surpasses that of equivalent steel products. Seasafe Cable Tray will not rust, nor do

STRAIGHT SECTIONS All tray tested per NEMA FG-1

they ever require painting. Available in both polyester and vinylester resin systems, they are manufactured to meet ASTM E-84, Class 1 Flame Rating and self-extinguishing requirements of ASTM D-635.

A surface veil is applied during the pultrusion process to ensure a resin-rich surface for superior corrosion resistance as well as an ultraviolet exposure barrier. Cable Tray comes in two colors: Gray (polyester resin) and Beige (vinylester resin). Custom colors are available on request.

The NEMA loadings listed in this brochure are load-tested in accordance with NEMA FG-1 guidelines.



Seasafe Cable Tray is U.S. Coast Guard Accepted



You may specify fittings mitered in 30, 45, 60 & 90 radius

4" Series

3" Series



1-800-326-8842

Fiberglass Fabrication Services

Seasafe custom structural fabrication provides the solution to your corrosion problems. You get high-strength, lightweight, low maintenance fiberglass reinforced composite products to compensate for the shortcomings of conventional materials. Pound for pound, FRP structural shapes are stronger than steel.

Features of Fiberglass Materials

- Corrosion Resistant
- · High Strength
- Lightweight
- Low Maintenance
- Low Life-Cycle Cost
- Electrically Non-Conductive
- Fire Retardant
- Ultraviolet Protection
- Low Thermal Conductivity
- Non-Magnetic
- **Dimensional Stability**
- · Easy Assembly

Industries Serviced

- Food Processing
- Chemical Processing
- Water/Waste Water Treatment
- Recreational/Leisure
- Metal Finishing ٠
- Military/Government
- Beverage
- Utilities
- Oil & Gas
- Marine
- Mining/Refining
- Pharmaceuticals
- Pulp & Paper
- Transportation



Handrail & Ladder Systems



Handrails



Molded Grating



Molded Stair Treads



Compression-Molded Grating



Stair Tread Covers

Seasafe FRP products are available in standard corrosion resistant isophthalic polyester or premium vinyl ester resin systems. Both resins include UV inhibitors and are Class 1 Fire Retardant per ASTM E84.



Structural Shapes

thicknesses.

In-house fiberglass pultrusion technology enables Seasafe to present an extensive line of FRP structural shapes. Standard configurations include

angle, channel, square tube, round tube, solid bar,

flat sheet, wide flange beam and I-beam. All are readily available in a wide range of sizes and

Ladders & Caged Ladders



Pultruded Grating



Pultruded Stair Treads

Resin Systems



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Creative Solutions to Difficult Problems

Products: Structural Products, Mezzanines, Grating Industry: Offshore Oil Exploration & Production

PROBLEM: Provide safe personnel access to equipment; Christmas trees in well bays, compressors, tanks, etc. Eliminate need for scaffolding that has to be set up and taken down. Ladders do not provide a safe platform for working. Areas can be wet and oily, creating safety hazard. A non-welding solution is preferred, because of volatile and inflammable conditions.

SOLUTION: Fiberglass platforms and mezzanines can be prefabricated and installed by hand as an erector set and require no shut down of production because there is no burning or welding involved. A mezzanine in a well bay, for example, provides safe walk-up access to the upper portion of the Christmas trees and other equipment.

WHY SEASAFE? Seasafe grating has a coarse, silica grit surface either bonded or embedded to the grating for excellent slip resistance.

Seasafe offers survey, quotation, detailing, fabrication, and complete turn key installation ensuring a successful project for the customer.



Products: Substructure, Grating, Handrails, Stairways Industry: Chemical Processing (Manganese)

PROBLEM: Quickly replace personnel access platforms around electrowinning tanks that are exposed daily to acid solutions as well as physical abuse from heavy starter



plates. The current structure had deteriorated to the point of potential collapse.

SOLUTION: Provide an engineered fiberglass substructure, grating, handrail and stairways to eliminate beam deterioration and safety hazards. The slip-resistant surface minimizes slip-and-fall accidents in the wetted area. The non-conductive FRP material eliminates potential shock hazards during the electrowinning process.

WHY SEASAFE? Seasafe quickly responded with designs calling for complete replacement of aging structural steel with FRP beams. These met the load requirements for this heavy plating operation. The structure was prefabricated as an "erector set" enabling the on-site contractor to quickly and easily complete the installation.

Accessing Tanks & Filling Tank Trucks



Products: Structural Products, Grating, Stairs, Handrails Industry: Waste Water Treatment

PROBLEM: Design and build safe personnel access to 17 carbon filter tanks, each 13 feet high, in a wet and slippery work environment.

SOLUTION: Install an FRP platform with stairs and handrails, with slip-resistant grating and stair treads. (Platforms for two tanks shown here.)

WHY SEASAFE? To ensure accuracy and ease of assembly on-site, these platforms were assembled and inspected by the customer at Seasafe's plant prior to shipping to Asia. Seasafe completely assembles each fabricated structure at our plant then separates it into

sub-assemblies for shipment. This allows quick and trouble-free erection in the field by contractors. We proved to the customer that we could take the design concept and turn it into a finished structure, within their schedule and budget.

Products: Structural Grating, Handrails, Stairways

Industry: Chemical Processing

PROBLEM: Efficiently load corrosive chemicals into tank trucks for transfer to job site or end user. Extend life of loading facility. Provide safe working environment.

SOLUTION: Replace metal structure with FRP platform and walkways, eliminating maintenance and replacement requirements. Provide a strong but lightweight platform with a hinged section for safe, quick, easy access to tank truck ports in various locations and at various heights.

WHY SEASAFE? Seasafe designed a platform that not only met all the job requirements, but



was capable of being erected without cranes or heavy lifting equipment.