

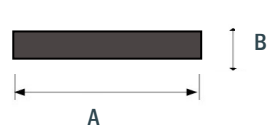
Carbopree®

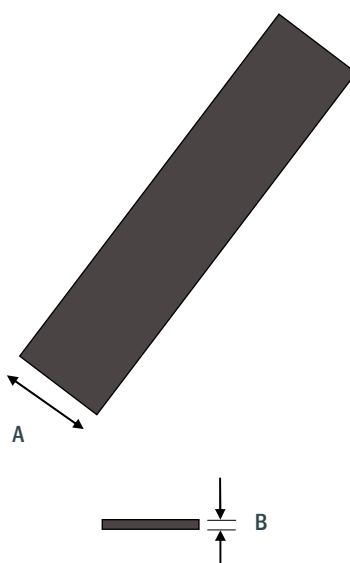


Sireg produces rods, laminates and profiles made of Carbopree® carbon fiber that are used as structural reinforcement within the rehabilitation of deteriorated buildings or existing structures or in case of need to increase the ultimate or service loads.

	PRODUCT	DURGLASS®	GLASSPREE®	CARBOPREE®	ARAPREE®	STEEL EN 15630
Specification	Application	Temporary	Permanent	Permanent	Permanent	Temporary/Permanent
Minimum Diameter Bar	[mm]	1	1	3	5,5	
Maximum Diameter Bar	[mm]	40	40	14	12,5	
Flat Bar		YES	YES	YES	YES	
Y Shape		YES	YES	YES	YES	
Self-Drilling		YES	YES	-	-	
Hollow bar-Pipes		YES	YES	-	-	
Tensile Strength	[MPa]	800-1000	800-1000	2300-3000	1400	550
Strain-Ultimate Limit	[mm]	2,0-2,5	2,0-2,5	1,4-2,2	2,3	7
E-Modulus	[GPa]	40	40	135-200	60	200
Density	[g/cm³]	1,9	1,9	1,6	1,3	7,85
Thermal Conductivity	[W/mK]	0,3	0,3	YES	YES	60
Electrical Conductivity		-	-	YES	-	YES
Magnetic Conductivity		-	-	YES	-	YES
		-	-	YES	-	YES

CARBOPREE®	BARS				
	Codice SIREG SIREG Code Code SIREG Código SIREG Код SIREG	[mm] Diametro Diameter Diamètre Диаметро диаметр	[GPa] Modulo Elastico E-Modulus Modul Elastique Módulo de elasticidad Модуль упругости	[kN] Resistenza alla Trazione Tensile Strength Résistance a la Traction Resistencia alla Tracción Прочность на растяжение	
	HS5,5	5,5	130	2300	High Strength
	HS7,5	7,5	130	2300	High Strength
	HS10	10	130	2300	High Strength
	HS12	12	130	2300	High Strength
	HS12,5	12,5	130	2300	High Strength
	HM7	7	200	2750	High Modulus
	HM10	10	200	2750	High Modulus
	LM10	10	130	1400	Low Modulus
	LM12,5	12,5	130	1400	Low Modulus
	LM13,5	13,5	130	1400	Low Modulus
	LM14	14	130	1400	Low Modulus
	LM16	16	130	1400	Low Modulus
	LM20	20	130	1400	Low Modulus

CARBOPREE®	FLAT BARS					
	Codice SIREG SIREG Code Code SIREG Código SIREG Код SIREG	A=[mm] Larghezza Width Largeur Ancho ширина	B=[mm] Spessore Thickness Épaisseur Espesor толщина	[GPa] Modulo Elastico E-Modulus Modul Elastique Módulo de elasticidad Модуль упругости	[kN] Resistenza alla trazione Tensile strength Résistance a la sraction Resistencia alla tracción Прочность на растяжение	
	16X2 HS	16	2	140	2500	High Strength
	25X2 HS	25	2	140	2500	High Strength
	30X4 HS	30	4	140	2300	High Strength
	40X5 HS	40	5	140	2300	High Strength
	40X6 HS	40	6	140	2300	High Strength
	20X2 HM	20	2	200	2500	High Modulus
	20X4 HM	20	4	200	2500	High Modulus
	25X2 HM	25	2	200	2750	Low Modulus
	25X2 LM	25	2	140	1400	Low Modulus
	40X4 LM	40	4	140	1400	Low Modulus
	40X6 LM	40	6	130	1400	Low Modulus

CARBOPREE®	LAMINATES				
	Codice SIREG SIREG Code Code SIREG Código SIREG Код SIREG	A=[mm] Larghezza Width Largeur Ancho ширина	B=[mm] Spessore Thickness Épaisseur Espesor толщина	[GPa] Modulo Elastico E-Modulus Modul Elastique Módulo de elasticidad Модуль упругости	[kN] Resistenza alla Trazione Tensile Strength Rèistance a la Traction Resistencia alla Tracciòn Прочность на растяжение
	CARBO 50X1.2 HS	50	1,2	165	3000
	CARBO 50X1.4 HS	50	1,4	165	3000
	CARBO 60X1.4 HS	60	1,4	165	3000
	CARBO 80X1.2 HS	80	1,2	165	3000
	CARBO 90X1.4 HS	90	1,4	165	2800
	CARBO 100X1.2 HS	100	1,2	165	3000
	CARBO 100X1.4 HS	100	1,4	165	3000
	CARBO 120X1.2 HS	120	1,2	165	3000
	CARBO 120X1.4 HS	120	1,4	165	3000
	CARBO 50X1.2 HM	50	1,2	200	2750
	CARBO 50X1.4 HM	50	1,4	200	2750
	CARBO 60X1.4 HM	60	1,4	200	2750
	CARBO 80X1.2 HM	80	1,2	200	2750