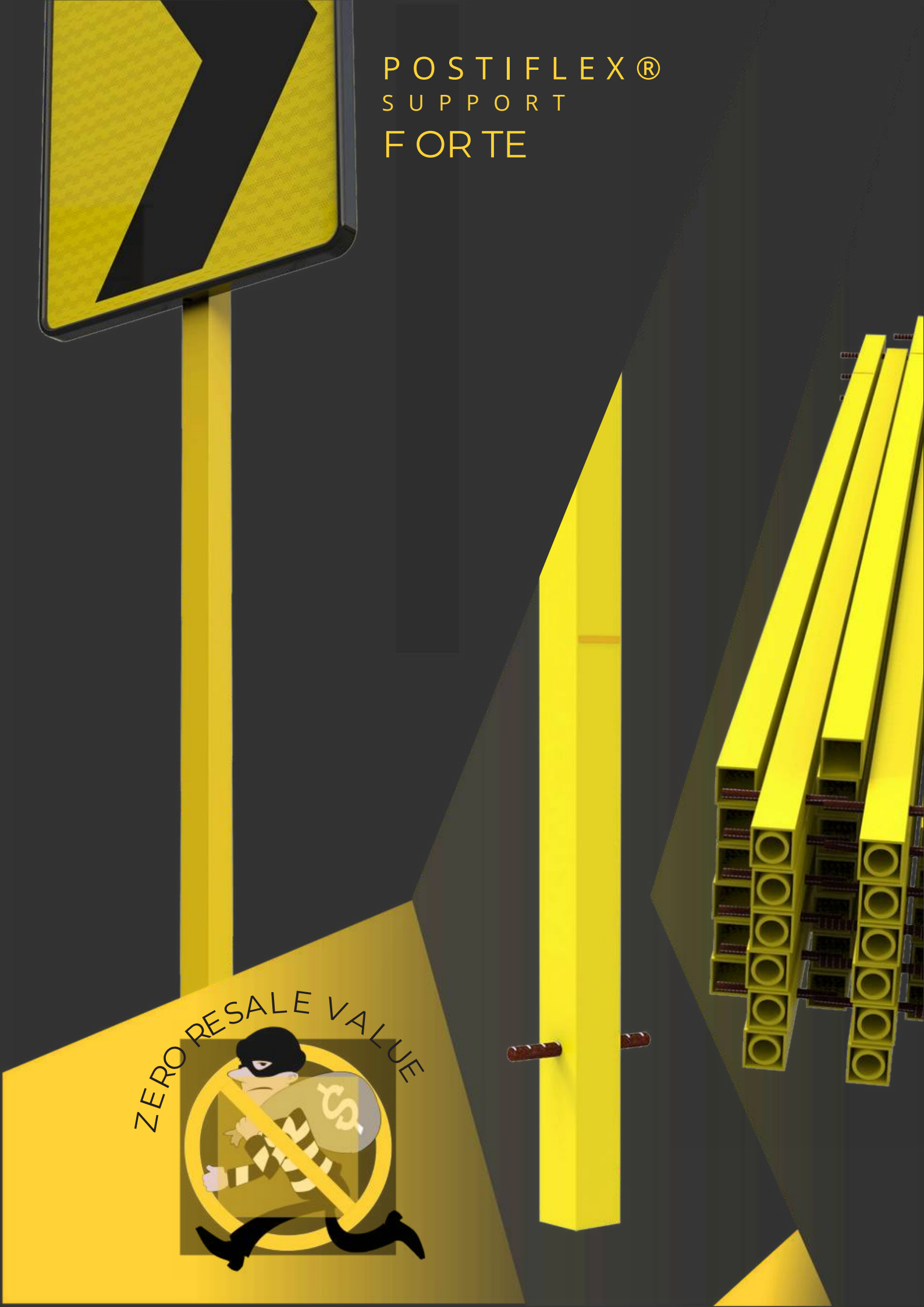
POSTIFLEX®
SUPPORT
FORTE



INTRODUCTION

Our company have had a dream, the dream of manufacture top quality products without precedents that comply with international quality standards and being positioned on the niche of companies that manufacture unique road signage products in the world.

Our aim is offer the highest quality to a fair cost that complies with the expectations of our customers. In this way, we have focused on give solutions to diverse issues. In Mexico as in other countries of the world we provide a solution to diverse vandalism issues and theft of sheet signals as metal posts, that, then are sold by weight. Before the constant increase of this practice, above all, the signage installed in highways, we have developed a new technology in signs and posts made of plastic that are more resistant than metal, and with zero resale value on market

Over years, we have dedicated ourselves to researching and manufacturing technological solutions that provide to our customer the satisfaction of have acquired the best product, this leads us to modernize and innovate new plastic materials as the new plastic sign (Global Forte Sign) and the new Postiflex®, the perfect combination in latest generation signage that exists on world market.

The Postiflex® performs an essential role in street sign and road signage by providing durable, resistant and highly visible signals that are essential for safety and order in our highways and streets. Its capacity to withstand challenges of climate, abrasion and corrosion transform it into a solid choice in a variety of road signage environments and applications.

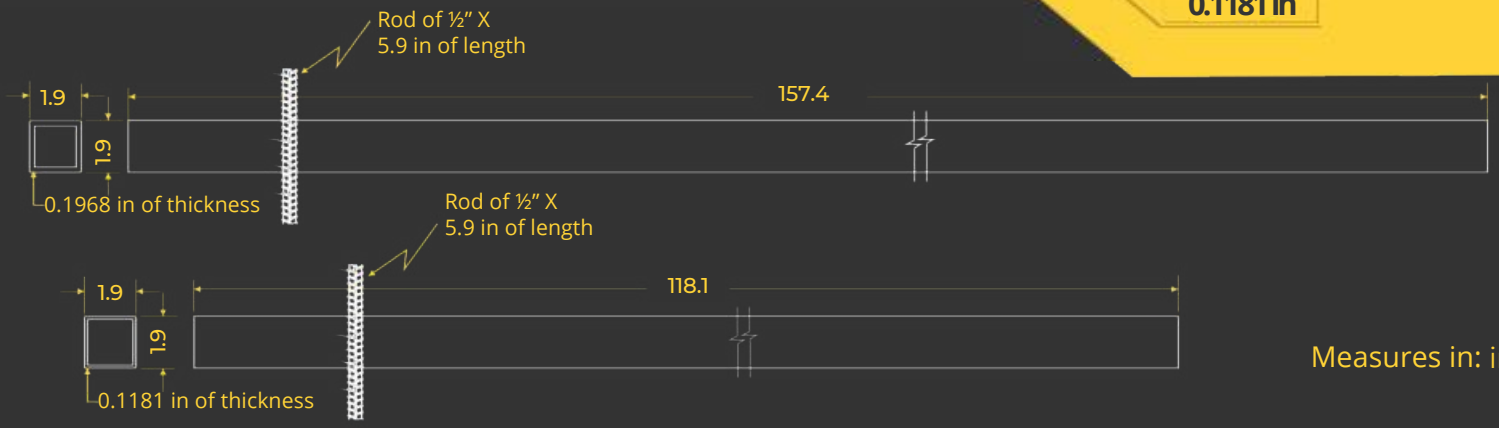
Comparison with conventional materials

DESCRIPTION	POSTEFLEX®	ALUMINUM POST	STEEL POST
Chemical resistance	Excellent	Low	Low
Life span	Excellent	Good	Good
Resistance to acid fumes	Excellent	Low	Low
Electric conductivity	Low	High	High
Fire retardant	High	High	High
Resistance to corrosion	Excellent	Low	Low
Strength to weight-ratio	Excellent	Low	Low
Life cycle cost	Low	Moderate	Moderate
Rust proof features	Excellent	Excellent	Excellent
Ease of installation	Excellent	Moderate	Moderate
Environmental Impact	Low	High	High
Color selection	Excellent	N / A	N / A

POSTIFLEX®

- A groundbreaking product, lighter than steel bars and can replace them
- Tubular steel inner body of Postiflex®, providing additional support on base
- For its installation has a ½" rod that improves fastening to floor
- Postiflex® manufactured in yellow color
- Perfect duo with Global Forte Sign that complements perfectly

Height	157 in 118 in
Width	1.9 x 1.9 in
Thickness	0.1968 in 0.1181 in



Measures in: in

Advantages of Posteflex®

- No electrical conductivity
- Fire retardant
- Less environmental impact
- UV resistant
- Low life cycle cost
- Termite proof
- No thermal conductivity
- Lightweight
- High resistance
- Corrosion Chemical Resistance
- Withstand winds of > 155 MPH
- Resistance to traction and impact
- Flexible
- Permanent color
- Stackable
- Zero commercial value

PROPERTIES

Results of tests for typical properties of structural profiles of Postiflex® (standard shapes, fire retardant and vinyl). The properties that derive according to test method ASTM that is shown. The recovering of synthetic surface and inhibitors of ultraviolet standards. (LW = Longitudinal, CW= Crosswise, PF= Perpendicular to the laminated face).

Mechanical properties	**ASTM**	**Units**	**Value**
Tensile stress. CW	D-638	psi	30.000
Tensile stress. CW	D-638	psi	7,000
Tensile modulus, LW	D-638	106 psi	2.5
Tensile modulus, CW	D-638	106 psi	0.8
Compressive Stress, LW	D-6.	psi	30,000
Compressive Stress CW	D-695	psi	15,000
Compression module, LW	.695	106 psi	2.5
Compression module, CW	D-695	106 psi	1
Bending stress, LW	D-790	psi	30.000
Bending stress, CW	D-790	psi	10,000
Flexural Modulus, LW	D-790	106 psd	1.8
Flexural Modulus, CW	D-790	106 psi	0.8
Modulus of Elasticity, E	Complete section	106 psi	2.8
Shear Modulus		106 psi	0.45
Short beam shear	D-2344	psi	4,500
Punching shear machine	D-732	psi	10,000
Izod impact notched, LW	D-2.	ft-lbs/in	25
Izod Impact notched, CW	D-256	ft-lb/in	4
Physical Properties	**ASTM**	**Units**	**Value**
Barcol Hardness	D-2583	...	45
24 hrs Water absorption	D-570	% max.	0.45
Density	D-792	ibs/in.3	0.62-0.070
Coefficient of Thermal Expansion, LW	D-6	10-6 in/in/*C	8
Electric properties	**ASTM**	**Units**	**Validate**
AIC Resistance, LW	D-495	Seconds	120
Dielectric strength, LW	D-149	kv/in	35
Dielectric rigidity, PF	D-149	volts/mil	200
Dielectric constant, PF	D-150	@60hz	5
Properties of inflammability	**BS**	**Units**	**Value**
Superficial extension	476:Part 7	mm/90sec	60

Segment of application

Highway

City

School Zone

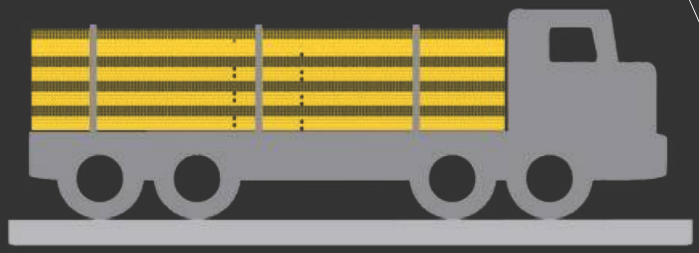
Government

Savings in transport and storage

Coastal Zone

Jungle area

Arid zone



Airports

Railways

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