

Caps and Curb Properties in Polymeric Concrete

Comparative table with Hydraulic Concrete

PROPERTY	CONCRETE HYDRAULIC	POLYMER CONCRETE
Volumetric Weight (kg/m ³)	2200 - 2400	1500 – 2400
Resistance to understanding (kg/cm ²)	100 - 600	600 – 1800
Flexural strength (kg/cm ²)	6 - 43	140 – 280
Tensile strength (kg/cm ²)	6.1 - 42.8	103 – 172
Modulus of elasticity (x10kg/cm ²)	0.05 - 0.3	0.4 – 0.45
Water absorption (% en peso)	4 - 10	0.3 – 1
Poisson's ratio	0.10 - 0.20	.35
Expansivity (x10-6 1/°C)	7 - 14	2.5 TIMES THE HYDRAULIC CONCRETE



MEASUREMENTS	CURB	TOP
BROAD	76cm	64cm
HEIGHT	12cm	6cm
WEIGHT	29kg	35kg
TOTAL WEIGHT: 64kg		

This cap is designed for heavy traffic and supports loads of more than 20 tons!

- IT IS 5 TIMES STRONGER THAN HYDRAULIC CONCRETE.
- IT IS 5 TIMES LIGHTER THAN HYDRAULIC CONCRETE AND CAST IRON.
- IT IS NOT A RECYCLABLE PRODUCT.
- Does not crack with frost at minus -40 ° C below zero.
- It does not have significant expansion that tightens the curb at high temperatures.
- It is an electrical insulating material and resistant to chemical corrosion.
- Withstands vibration and high impacts and abrasion.
- High durability over more than 150 years.
- Not subject to vandalism or theft.

Phone Number. 81-13-65-65-00 to 03; 1 de Mayo #3920 Col. Burócratas del Estado, Monterrey, N.L.;

Email. ventas@jaapsa.com

www.jaapsa.com