

DATA SHEET

VERTICAL CODE AND URBAN NANOTEC SIGNAL

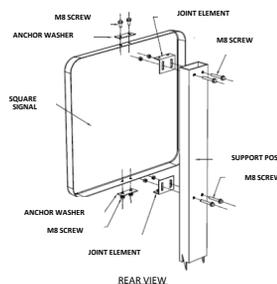


DESCRIPTION

Sustainable vertical code, urban and construction signage. Manufactured in a composite material of fiber/resin and carbon nanoparticles that improve its mechanical properties, while providing extreme toughness and lightness.

Of greater resistance and durability than the rest of the fixed code vertical signage on the market, with the highest quality reflective sheet that guarantees optimal signage in any environment.

Nanotec signals have been developed to meet the **Sustainable Development Goals (SDGs) 9, 11 and 12**, and the environmental aim of transition towards a closed circular economy of the European Union.



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TECHNICAL FEATURES

Substrate material: State-of-the-art GRP⁽¹⁾, incorporating carbon nanoparticles. Maximum thickness 3mm with total width fold of 30mm.

Reference rule: UNE-EN 12899-1.

Fixing system: M8 galvanized steel anchor screwed to a support / post with correct sizing for post section used. Standard clamps to standard posts 80 x 40mm, 100 x 50 mm and 120 x 60mm or cylindrical steel, aluminium or fiber posts of Ø 60, Ø76 or Ø90 mm.

The supports and posts are outside the scope of Tecnival's CE marking for this product, so they should be taken as recommendations and adapted according to the customer's needs.

Reflective finish: Available in chromatic coordinates and luminance factor CR1 and CR2 and retroreflection coefficients: RA1, RA2, RA3.

It is not necessary to apply a surface coating to the substrate, this is SP2 according to standard EN 12899-1. At the customer's request, the following coatings can be applied: Two-Component Acrylic Enamel (SP1) or GEL COAT applied in the substrate manufacturing process (SP1).

	700 mm	900mm	1350mm	1750mm
	600mm	900mm	1200mm	
	600mm	900mm	1200mm	
	600mm	900mm	1200mm	
		900 x1350mm	1350x800mm	
	700x550mm			2200x550mm

Standard sizes available.

(1) GRP : Glass(fiber) Reinforced Polyester .

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ADVANTAGES OF NANOTEC OVER STEEL AND ALUMINIUM SIGNS

	NANOTEC	ALUMINIUM	STEEL
Resistant to corrosive environments	●	●	●
Environmental impact due to the release of oxides	●	●	●
Strength to weight ratio	●	●	●
Weight comparison (m ²)	4 kg	9 kg	15,5 kg
Behavior to temperature variations	●	●	●
Behavior towards moisture	●	●	●
Frangible material	●	●	●
Transport cost	●	●	●
Easy handling	●	●	●
Maintenance and storage costs	●	●	●
Resistance to wind speeds of up to 160 km / h	●	●	●
Electrical conductivity	●	●	●
Residual value (salvage value)	●	●	●
Easy part molding	●	●	●
Elasticity	●	●	●

Chart legend: Good ● Moderate ● Poor ●