

# PS FRP Anchor

Carbon fibre string for structural connection and anchoring of Fibre Wrap strengthening systems



<b>Description</b>	PS FRP Anchor is a unidirectional carbon fibre string, encased in a plastic envelope, that serves as fibre connector for the anchorage of Fibre wrap system.
<b>Uses</b>	<ul style="list-style-type: none"><li>▪ Anchoring fibre wrap carbon and glass fibre fabrics on concrete or masonry</li><li>▪ Connecting fibre wrap carbon or glass fibre fabrics through concrete or masonry structures</li><li>▪ Flexible near surface mounted strengthening (NSM)</li></ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"><li>▪ Carbon fibre, corrosion resistant, durable</li><li>▪ Multifunctional use</li><li>▪ Easy to install</li></ul>

## Product Information

<b>Packaging</b>	25m Roll
<b>Fibre Type</b>	Carbon Fibre
<b>Construction</b>	Unidirectional carbon fibre string encased in a plastic envelope
<b>Shelf life &amp; Storage Conditions</b>	Unlimited, provided there is no exposure to direct sunlight (UV light), in dry conditions and at temperatures of max. 50°C Transportation only in the original packaging, or otherwise adequately protected against any mechanical damage

## Mechanical / Physical Properties

<b>Typical properties</b>	Weight	≥ 50 g/m (carbon fibre content)
	Fibre Cross section	≥ 28 mm <sup>2</sup> (based on carbon fibre content)
	Fibre Density	1.82 g/cm <sup>3</sup>
	Tensile Modulus (ASTM D 4018)	240 kN/mm <sup>2</sup>
	Tensile strength (BS:6319, pt 7)	4000 N/mm <sup>2</sup>
	Elongation at break	≥ 1.6 % (nominal)
	Impregnating resin	PS Epoxy resin

## Application Instructions

<b>System Structure</b>	The system build-up and configuration as described must be fully complied with and may not be changed.  Structural strengthening fabric: PS Fibre wrap carbon or glass fibre fabric. The embedded composite will have a diameter of ca. 10 mm
<b>Application</b>	Substrates must be sound, dry, clean and free from laitance, ice, standing water, grease, oils, old surface treatments or coatings and any loosely adhering particles.

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Concrete must be cleaned and prepared to achieve a laitance and contaminant free, open textured surface.

The PS FRP Anchor can be cut with special scissors and fixed using impregnating resin by trained specialist for this system.

## Health & Safety Information

For Information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

During use, avoid inhalation and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

## Legal Notes

The information and in particular the recommendations relating to the application and end use of products are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with recommendations. In practice the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information or from any written recommendations or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose reserves the right to change the properties of its products. The Proprietary rights of third Parties must be observed. All orders are accepted subject to our current terms of sale and delivery.

Users must always refer to the most recent issue of the local product Data sheet for the product concerned copies of which will be supplied on request.

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