FIBRPRO®
precast

www.fibrpro.com

☎ (852) 3568 3418
(852) 3568 5519
wting@fibrpro.com

SYNTHETIC DECKING

FIBRPRO®
precast

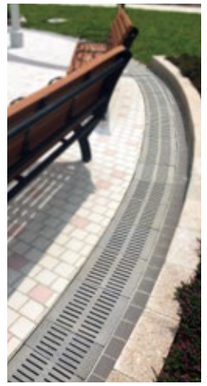
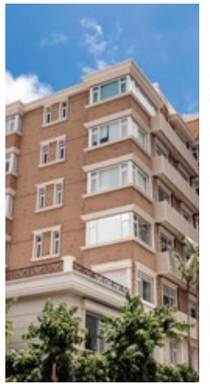
About Us

Headquartered at Hong Kong, FIBRPRO® is a team of engineers in fields of material, production, mechanics, civil, structure, environment, construction, contract and management. It is with this unique background that FIBRPRO has been leading the way in design and production of Fibre Reinforced Polymer (FRP) materials in construction since its establishment in 2010. We specialise in providing design, engineering, manufacture, delivery, installation and commissioning one-stop contracting service for a comprehensive range of FRP related works. We pride ourselves on challenging projects, and welcome unique bespoke work.

With our extensive knowledge of composite materials, manufacturing techniques, engineering skill and contracting experience, we extended our service scope to the engineering precast or prefabrication products in 2015, and since then have been offering with innovative and cost-effective solutions to address complex construction challenges and the high labour cost of local construction market.

FIBRPRO®
PRECAST & CONTRACTOR




FIBRPRO® precast | SYNTHETIC DECKING

FIBRPRO® Synthetic Deckings are precast unit fabricated by using low content (approximate 15% by weight) of resin/polymer material as blinder, such as resin of polyester, epoxy methacrylates, phenolics, furans and vinyl ester etc. with quartz sand, natural or recycled crushed stone and recycled fillers, such as fine aggregate, mineral granulation or reused fibers. The mixed compound, which is an almost agglomeration of natural stone substrates & mineral oxides is filled into moulds and compacted to form panels or any shapes of features under a high-tech vacuum & compression process.

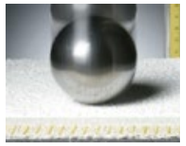
Product Advantages

Absolutely Corrosion Resistant

Fire Retardant

Chemical Resistance

Aging Resistance



Impact Resistance

Non-slip Surface

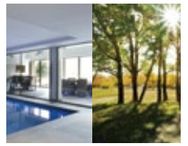
Loading Sustainable
Vehicular Loading
up to 400KN

Light-Weight

Insulation Properties

Low Noise Nuistance

Low Maintenance Cost



Indoor & Outdoor Suitable

Cost Effective

Low Potential of Stealing

Custom Made
Colors / Patterns / Shapes /
Holes / Finishes

Design Free

Technical Information

Properties	Test Method	Result
Fire Test on Building Materials and Structures	BS 476: Part 7	Class 1
Flexural Strength	BS 2782: Part 10	33MPa
Shear Strength	BS 2782: Part 3	31MPa
Tensile Strength	BS 2782: Part 10	14MPa
Compressive Strength	BS 2782: Part 3	75MPa
Absorption Water by Immersion	BS EN1170: Part 6	< 0.5% (in 7 days)
Anti-Slip	DIN 51130	R11
Abrasion Resistance	BS EN13748	< 30 cm3 / 50 cm3

Installation