

FIBRPRO®
precast

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ADEQUATE PROJECT MANAGEMENT & CONSULTANCY CO. LTD.



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

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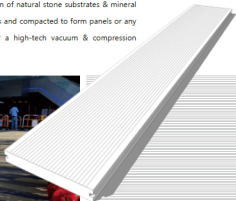




SYNTHETIC DECKING



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 Nuisance**



**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 cm ³ / 50 cm ³

Installation

