

南亞塑鋼板樁

NAN YA PLASTIC PILING





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前言

新型塑鋼板樁主要功能為滲流阻斷,防止掏空、護土擋水及擋土功能,具有生態環保、施工方便快捷、佔地少及造型美觀等特點,為景觀水利工程的擋土、擋水結構提供了先進、實用的護坡材料,將可取代或共構現在的混凝土工程。

使用壽命長

塑鋼板樁材料為強化複合塑膠,具有極高的抗壓強度和 抗衝擊能力不會腐朽,其使用壽命長達到50年至70年。

節省施工造價

塑鋼板樁與傳統混凝土相比,節省造價近30%,提高施工效率近五倍。

施工機具使用傳統鋼板樁施工機具及夾具無需特別修改 避免施工困擾。

環保無汙染

目前針對RC混凝土結構建材的高度污染,塑鋼板樁是 最佳的替代性產品,更多的功能及環保的優點,本產品 不含鉛及塑化劑。

Preface

The major function of new type Nan Ya plastic piling includes interdiction of seepage, prevention of washed away, soil conservation, water and soil blockage; also has key features such as environment-friendly, easy and speedy for construction, space saving, and attractive modeling.

It's an innovative and practical revetting material for water and soil blockage structure on landscape hydraulic engineering; which will take the place of, or be co-constructed with the current concrete construction.

Durable & Heavy-duty

Plastic piling is made of reinforced composite plastic, with the nature of excellent compressive strength and impact resistance.

It will not be decayed, and can last for fifty to seventy years long.

Cost-saving

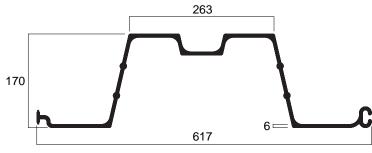
The cost for plastic piling is nearly thirty percent (30%) less, and the efficiency of construction is almost five times higher than traditional concrete.

No construction trouble will be occurred because of traditional steel sheet pile construction equipments and clamping apparatus can still be used without any change.

Environment-friendly

The plastic piling is lead and plasticizer free; it has the benefits of multiple functions and environment-friendly, Compared with the serious pollution made by materials of reinforced concrete construction (RC), the plastic piling will be the best substituted product.







套接結構 Superposition structure

(套合有效寬度 Superposition operative width: 600mm)

型號 Model No.: 600M (617mm×170mm×6t)

寬度 Width	617 (mm)	
深度 Depth	170 (mm)	
重量 Weight	9.3 (kg/m)	
厚度 Thickness(t)	6.0 (mm)	
材質 Material	硬質pvc (Rigid Vinyl)	
標準顏色 Standard colors	灰色 Gray	
包裝 Standard Packaging	10 (sheets/bundle)	

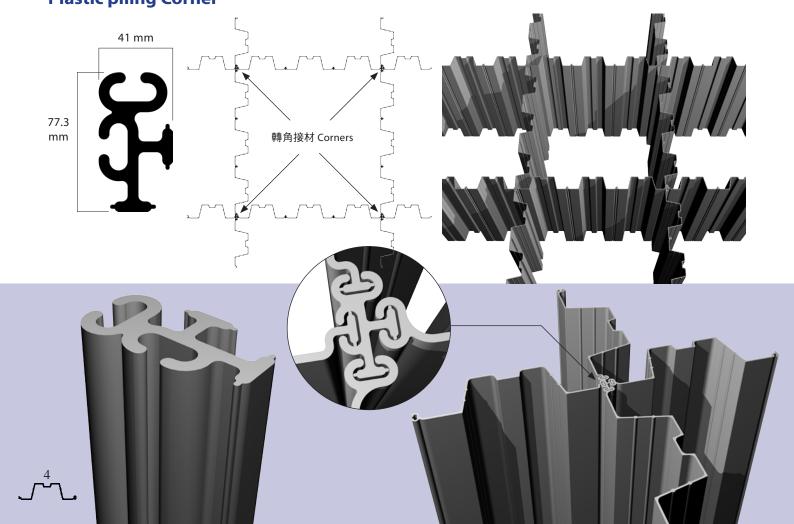
塑鋼板樁物性表 Plastic piling physical properties table

項次	檢驗項目	檢驗標準	檢驗值
1	比重(Density)	ASTM D792-08A	1.39
2	硬度(SHORE D)	ASTM D2240-05	75
3	抗拉強度(kgf/cm²) Tensile Strength	ASTM D638-08	550
4	抗彎強度(kgf/cm²) Flexural Strength	ASTM D790-07B	850
5	壓縮強度(kgf/cm²) Compress Strength	ASTM D695-08a	650

註:以上數據為參考值

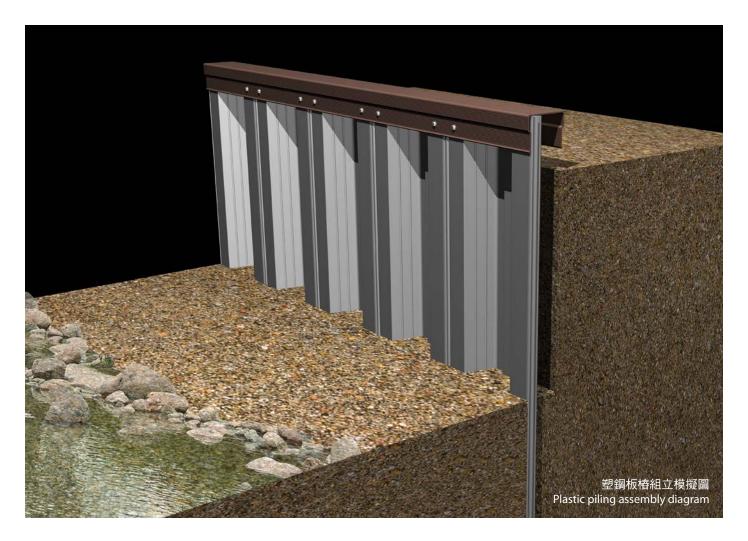
Remark: Figures of physical properties listed above are reference value only.

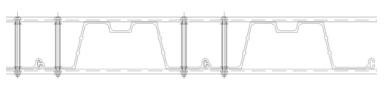
塑鋼板樁轉角接材 Plastic piling Corner



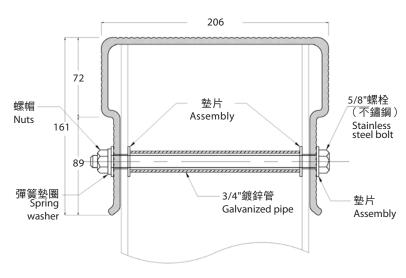
塑鋼板樁帽蓋補強結構

Plastic piling Cap





塑鋼板樁帽蓋組立示意圖 Assembly diagram







塑鋼板樁主要用途

- 1. 海堤堤岸保護。
- 2. 親水護岸、遊艇岸壁。
- 3. 漁港碼頭、導流堤、防砂堤。
- 4. 休閒漁業魚池景觀護岸。
- 5. 防洪堤防、排水箱涵。
- 6. 高速公路、林道、道路邊坡。
- 7. 保護橋墩、防止沖刷基礎。
- 8. 重力擋土牆。
- 9. 溪邊、湖邊、海邊護坡、消坡、擋浪。
- 10. 湖泊、溪流改變水流方向。
- 11. 高爾夫球場沙塘、水池。
- 12. 水庫濾水場、深水工程支撐。
- 13. 垃圾掩埋場截水牆幕。
- 14. 建築工地土方保持及穩固。
- 15. 圍堰擋水。

Major Purpose of plastic piling

- 1. To protect the seawall revetment.
- 2. Revetment at recreational area or yacht dock.
- 3. Fishing port, drainage levee, dust blockage levee.
- 4. Landscape revetment at recreational fishing area.
- 5. Retaining wall, drainage culvert.
- 6. Highway, path in forest, road bank.
- 7. To protect bridge pier, to prevent the pier from washed away.
- 8. Gravity type retaining wall.
- 9. Brook bank, lake bank, seashore slope protection, dissipating waves, blockading tides.
- 10. Change the flow direction of lakes and streams.
- 11. The sand pool and ponds at golf course.
- 12. Support for the reservoir's filter plant, engineering under deep water.
- 13. Retaining wall at landfill site.
- 14. Maintenance and security of earthworks at construction site.
- 15. Cofferdam for blockading water.

南亞塑鋼板樁工程實績

曾文溪護岸工程

屏東--放索溝整建工程

雲林—蔦松大排水井橋工程

雲林—龍台宮工程

高雄楠梓區黑橋排水護岸工程 雲林養殖區排水護岸工程

林口長庚球場水池工程

宜蘭金車養殖魚池工程…

Project track record of Nan Ya plastic piling

Revetment project of Zengwun River

Yunlin - Niaosung drainage well project

NanTzu Dist. of Kaohsiung - Black Bridge drainage revetment project

Pingtung - Rope ditch reconstruction project in

Yunlin - LongTai Temple project

Yunlin culture area - drainage revetment project

Linkou - Chang Gung Golf Club pond project Yilan - King Car farmed fish pond project



塑鋼板樁使用實例

Living Examples of plastic piling



台南 曾文溪整治工程 Tainan Zengwun river Regulation project



屏東 放索溝工程 Pingtung Rope ditch recon-struction project



雲林 水井橋工程 Yunlin drainage well project





高雄 黑橋排水改善工程 Kaohsiung Black Bridge drainage improvement project



雲林 龍台宮工程 Yunlin LongTai Temple project



林口 長庚球場 Linkou Chang Gung Golf Club





林口 長庚球場 Linkou Chang Gung Golf Club

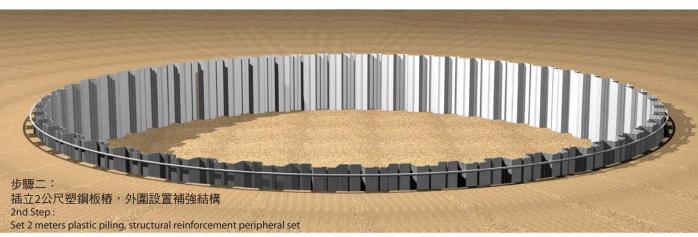


林口 長庚球場 Linkou Chang Gung Golf Club



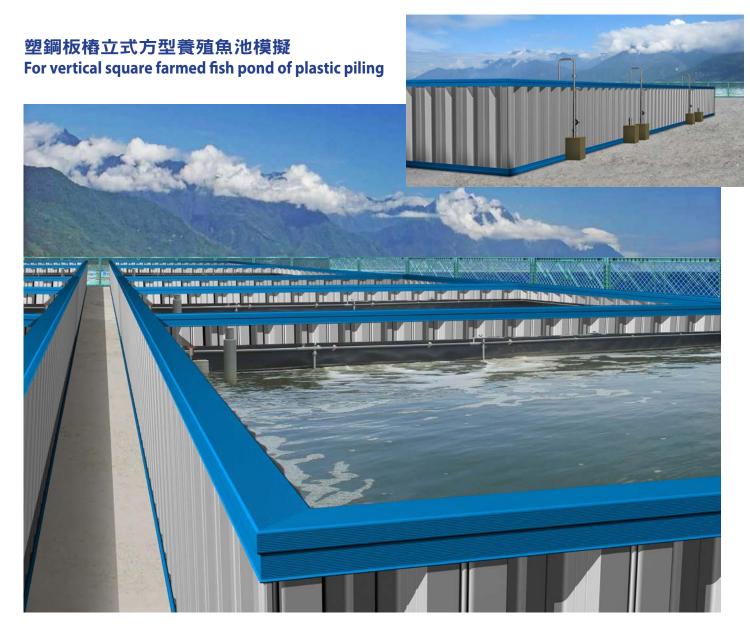
林口 長庚球場 Linkou Chang Gung Golf Club



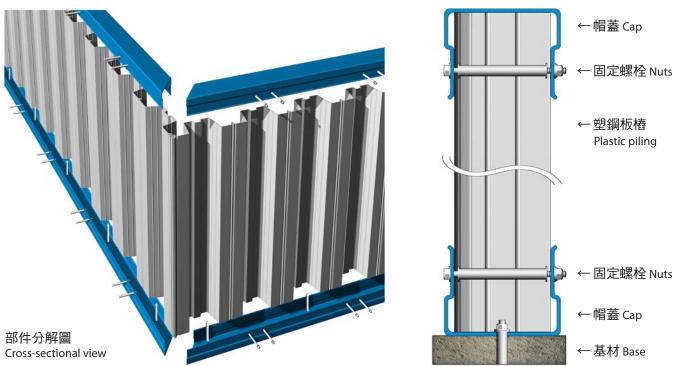








塑鋼板樁立式方型養殖魚池組立圖 Assembly diagram for vertical square farmed fish pond of plastic piling





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