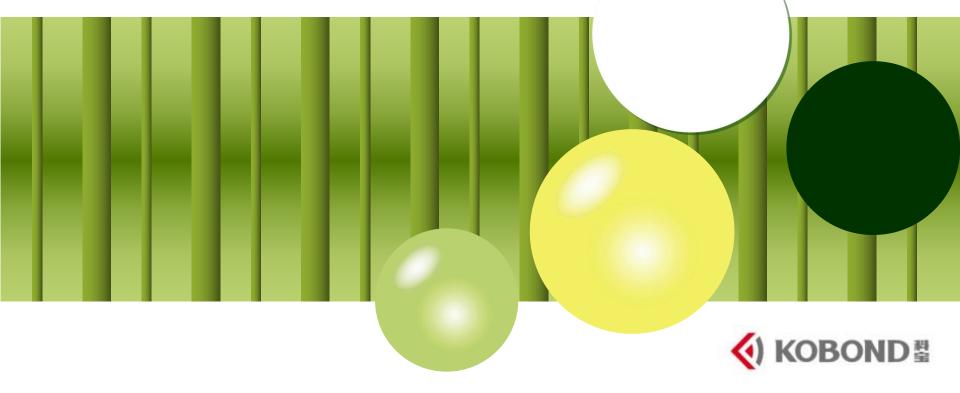
New Application Fields of Architecture Membrane

-Shanghai Shenda Kobond New Materials



Overview



2. Application Areas

3. Other New Materials

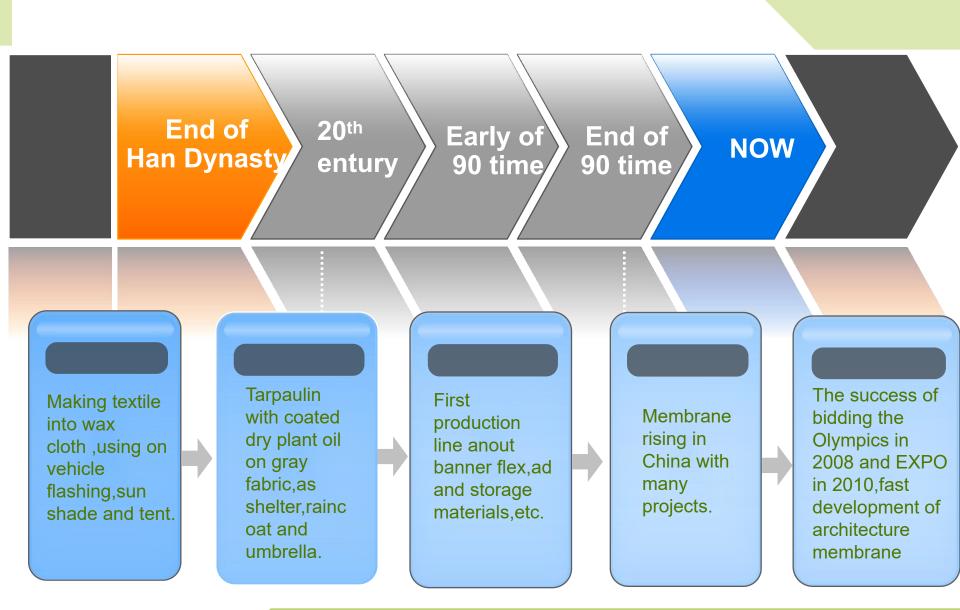


(Development Hoistory)

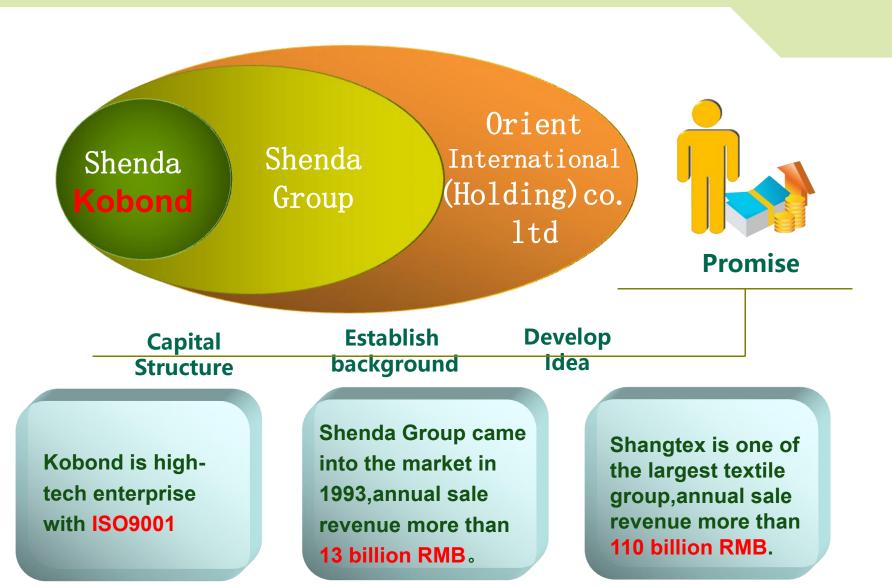




Developmen History



Introduction of Kobond



Introduction of Kobond

Factory



Modernize production base located in Pudong New Area

Machine



Hot-melt coating production line inported from Germany



PVDF

Ti02

PVF

Weldable

Unweldable

For Construction

For Special area

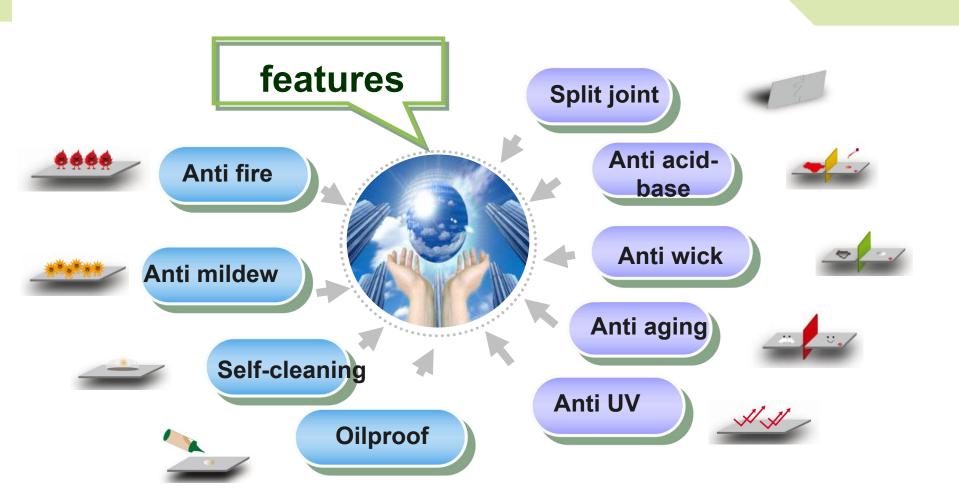
Different strength



Classification of PVC
Membrane



Membrane









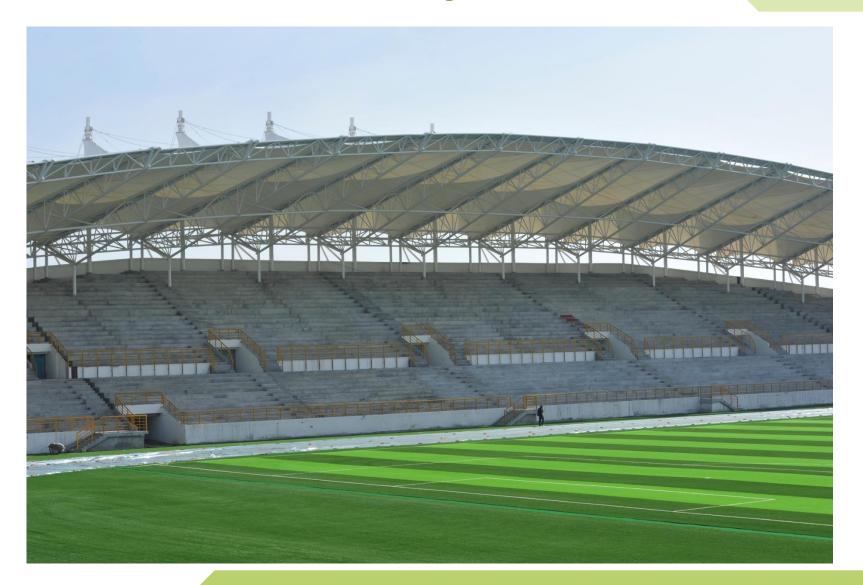








Tensile structure——A Cheng Stadium in Harbin











Item: Tennis stadium in

Beijing

Material:

MC13122G and HB0914

Quantity: 12000sq.m



Blockout

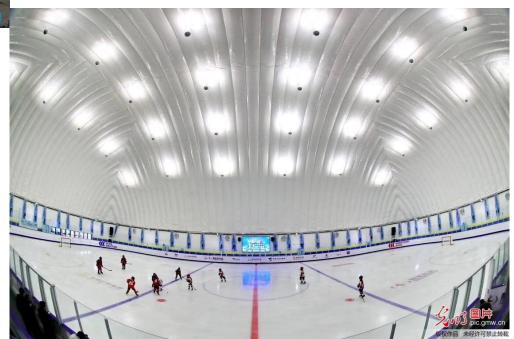
Double layers stadium for Tennis and hockey in Olympic center of QinHuangDao, HeBei



Materials:MC661H1K-1100

Quantity: 15000SQM

PVF membrane



Stadium for Hebei Institute of Political Science and Law



Materials:MA807H4I-1300

Quantity: 5000SQM

PVF membrane

Blockout























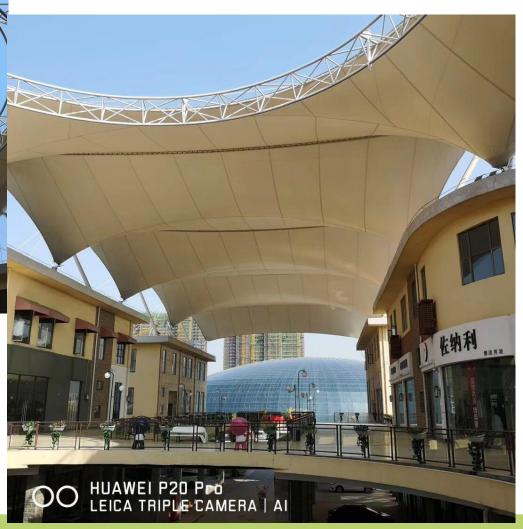
Ecological lobster city in Qianjiang, China



Materials:MC231E1G-1100

Quantity:5000SQM

TiO2 Membrane



WORLD EXPO 2010

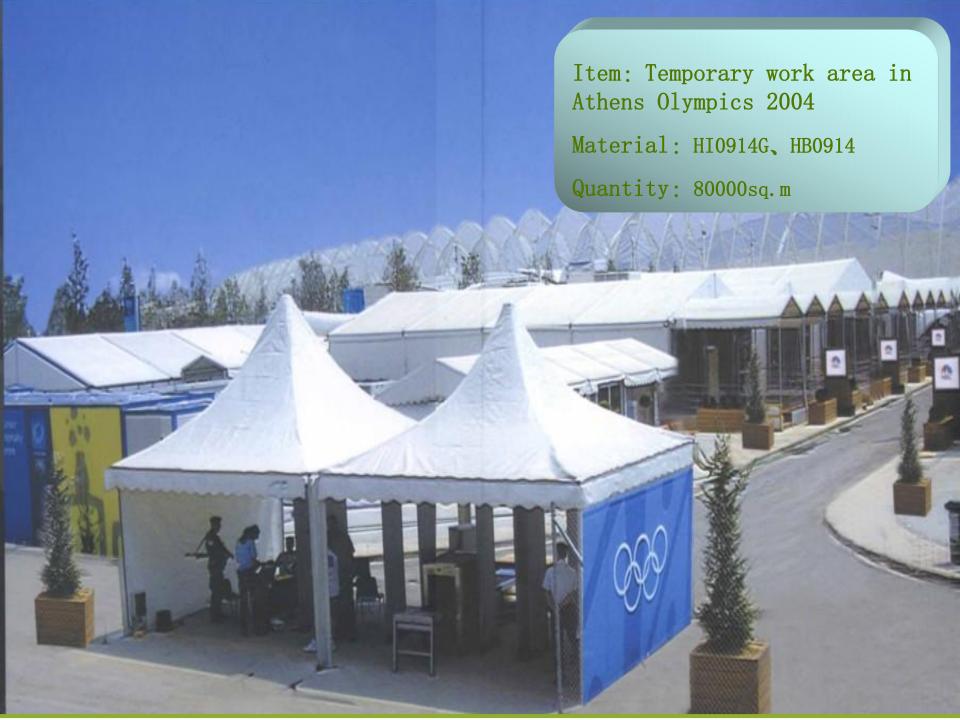


Broad Pavilion at World Expo 2010









Item: Command center ofsail in

Beijin Olympics

Materials: HI0914G, HB0914

Quantity: 50000sq.m













Item:Sewage treatment

plant in Italy

Material: ZC1214

Quantity: 5000sq.m







4 different ways of surface treatment for Membrane

Features	Surface property	Self-cleaning	Aging resistance
PVF Film(Dupont Tedlar)	fully covered by film	Superior performance during whole life span	Superior performance during whole life span
PVDF lacquering	Covered with close points, non-film	Good performance at beginning, but decreasing fast	Middle level
TiO2+PVDF lacquering	Covered with close points, non-film	Good performance at beginning, but decrease fast	Great for first 5 years,but decrease rapidly after 10years
Acrylic lacquering	Covered with close points, non-film	Limited performance at beginning, decreased rapidly after 3 years	Limited

Comparison of PVF and PVDF membrane



PVF Membrane projects in domestic

我们做的PVF膜案例

常州威雅公学



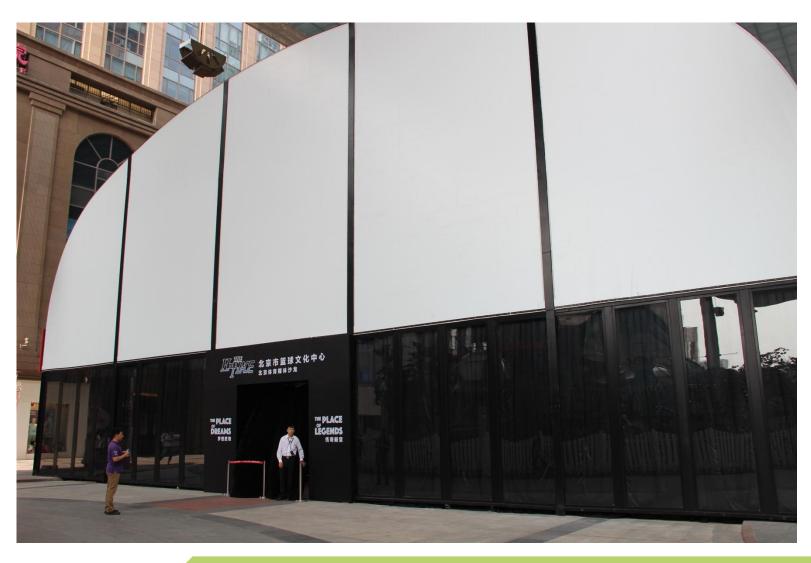
我们做的PVF膜案例

上海进才实验学校



我们做的PVF膜案例

北京篮球文化中心



PVF membrane projects in overseas

Lawn ball stadium in Sokcho



Tatoo outdoor stage in Wonju





Ochang Soccer Stadium Stand in Cheongju





Gateball stadium in Yeongdeok





Outdoor stage in Hwasun Dolmen Site





Wangseung lake park outdoor stage in Uiwang





Green Narae Park outdoor stage in Hadong





Sukji park's Waterplay facility in Suwon



Yougu market outdoor stage in Gongju



Multi-purpose stadium in Andong



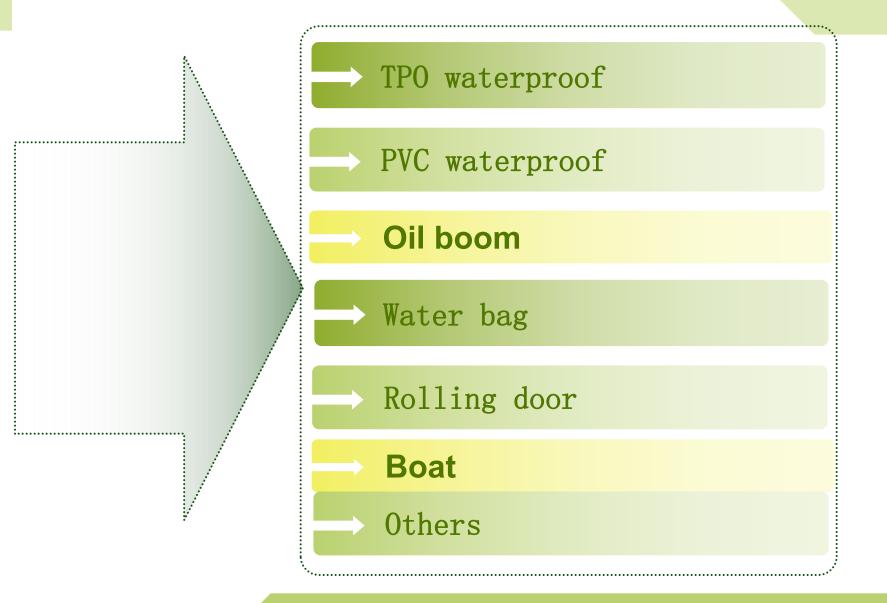


Other new material





Other new material



TPO Waterproof



Item: Nuclear power reset base in Lingang Shanghai

Material: WK1213

Quantity: 15000sq.m

Without plasticizer,QA more than 25 years,environmental production,recycle



PVC Waterproof



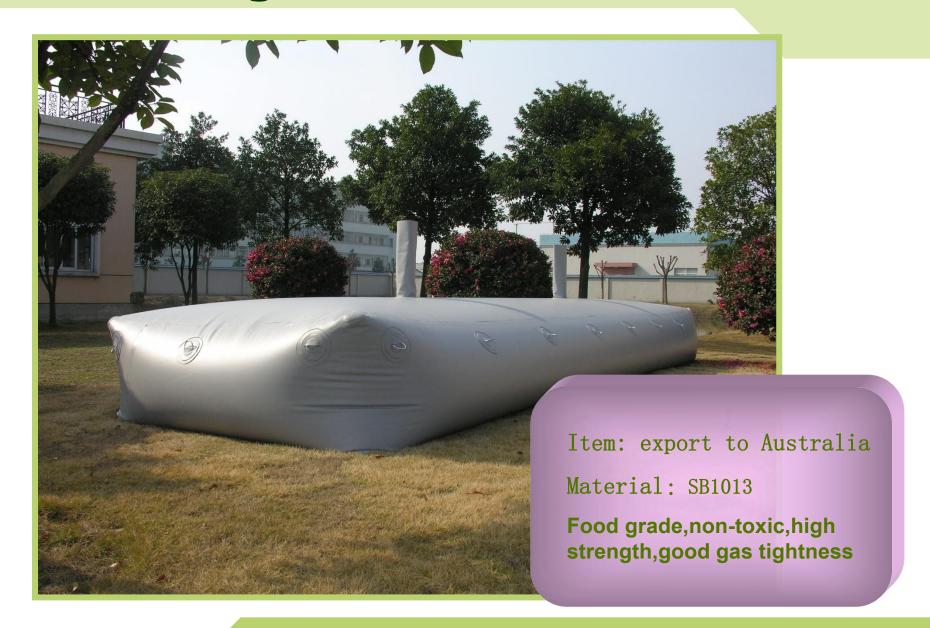
Oil boom



Special fomula, oil resistinity

BP assigned supplier of the event at Mexco gulf oil spill, around 2.4 million sq. m

Water bag



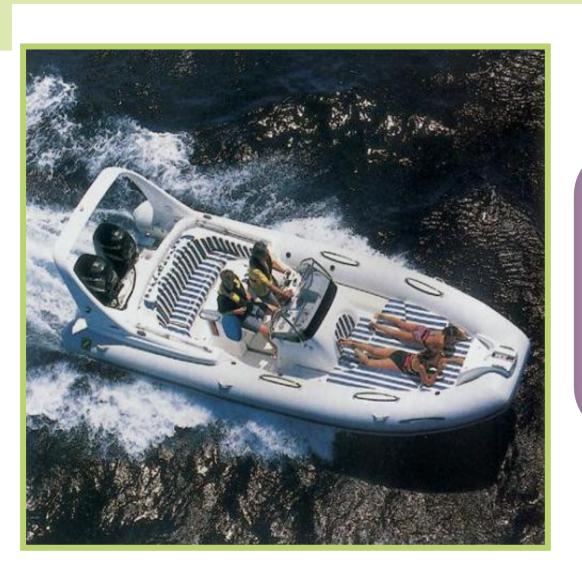
Rolling Door



Flexibility and folding

hangar door

Boat



Item:

guide boat in expo

Material: SC1213

Tarpaulin



Others





Swimming geotechnique poor inflatable



