





INSIDETHIS PROFILE

Arkan Shade Systems follows a clear strategy that gives top priority to excellence in all fields.

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SYNOPSIS ABOUT U

As one of the leading fabrication units for a wide range of PVC and Fabric shades, Arkan Shade Systems has earned an enviable reputation in the local and regional markets and is today recognized as a reliable and trustworthy supplier of a wide range of shading systems that are custom designed to suit the individual needs of all our clients.

ARKAN SHADE SYSTEMS was formed in 2003. Our team has accumulated more than 9 years of experience in design, engineering, fabrication and construction in the specialized field of tensile membrane structures.

The company has focused on the design, fabrication and installation of a complete range of tension structures for commercial, government and domestic projects. The structures range in size from the collapsible commercial umbrella type structures, through standard permanent wind rated modular designs up to various types of large one off sophisticated design structures.

We use high quality PVC and knitted fabrics for all our shades that are approved by the Ministry of Public Works, UAE. By using top-class raw materials we are able to ensure the long life and durability of all our products. This confidence in our quality is manifested in the fact that we offer a 10-year warranty on all our shades.

We also specialize on the manufacturing and installation of all kinds of PVC and PVDF fabrics using raw materials from internationally-acclaimed brands like **MEHLER**, **FERRARI**, **VERSEIDAG**, **NAZIL** and **SIOEN**. We are able to meet all your requirements for **PVC**, **PVDF & PTFE** shades by offering you custom-made solutions to meet your specific requirements.

The organization recognizes that the provision of superior products, being able to better meet customer needs and providing superior service is dependent. Therefore, our emphasis on quality and our untiring commitment to customer satisfaction have been the hallmark of our success and we are proud to have contributed to the fast-paced development and growth of the United Arab Emirates.

Arkan Shade Systems has worked in several prestigious governemnt and private projects in the United Arab Emirates and has successfully completed more than 500 small and large projects across the UAE. We have fabricated and installed a wide range of shade systems to meet the varying needs of our clients



WHAT SETS US APART OUR STRENGTHS

Our team is committed to delivering superior customer service to you from your first enquiry right through to installation and after-sales services. Our experienced sales executives are fully trained and equipped to give you the best product solutions at the most competitive prices...





Why Us?

 \checkmark

- Locally-owned enterprise
- Several years of experience
 Qualified and experienced personnel
- In-house design and fabrication unit
 State-of-the-art machinery

- Timely Deliveries
 Quality guaranteed
 Competitive Pricing
 Excellent after-sales service
- Regular maintenance services



Our remarkable shade fabrics is available in a wide variety of colors for maximum air cooling and protection from up to 99% of the sun's dangerous U.V. rays. Engineered to meet the stringent International Building Code (IBC), our functional shade canopies are available in a variety of heights, designs and sizes.





Public Area Shades Keep Away The Heat:

When sun protection is needed, our innovative 'Sail' shade structures are a clever way to cover those odd-shaped areas where possible post locations are limited or where a unique aesthetic appearance is desired. Featuring stainless steel connections and hardware for long life, Sails are tensioned shade canopies which are preengineered in an endless variety of imaginative configurations to add visual interest to your play structure's skyline





Mosque Shades Sail-Shaped Shades

Our Sail-Shaped Shades are equally attractive and functional for providing shade cover over spectator seating areas, picnic courts, outdoor amphitheaters, sports fields, concessions, or any other outdoor gathering area where protection is needed from the sun's harmful U.V. rays for children and adults.



We can provide the largest pre-engineered frame-supported shade structures, providing clear span coverage for spaces ranging from 1,000 square feet to over 5,000 square feet. Our team of qualified engineers and structural designers can provide you just the shade system you are lookjng for – at economical prices and in double quick time.





Our permanent waterproof shades create an attractive outdoor space, sheltered from both rain and ultra violet rays. All of our shades are W41 wind-rated. We can manufacture shades in a wide range of vinyl colours, varying degrees of sunlight penetration, and with fabric warranties ranging from 5 to 10 years



Even the simplest shade system can have a significant impact on the aesthetics of a commercial business, provided it is designed, manufactured and installed with quality as the highest priority. Shade structures manufactured by us provide an excellent example of the benefits of attention to detail.







OUR PORTFOLIO















OUR PORTFOLIO

ARE























OUR PORTFOLIO























OUR PORTFOLIO





SKILLED WORKFORCE MANGEMENT CHART

Our people are our greatest asset. We seek and retain people who feel there is no compromising on excellence, and a corporate culture in which our family can grow and thrive. Heading our multi-talented team is our leadership of experienced senior management. Together, we know how to combine our skills and knowledge to deliver state-of-the-art solutions to our customers





Our strengths are what set us apart from our competitors. We know that people have a huge amount of choice when choosing an outsourcing company, but what makes us better than everyone else?

Highly skilled developers

One of our core strengths is our staff. By blending the experience and expertise of our skilled workforce with state-of-the-art technology, we use the experience of the project managers to produce exceptional results.

Certified Project Managers

Arkan's Project Managers are the stuff of legend within the company. Only the best make the grade after showing great business and technical skills. Our project managers are not just to provide technical knowledge, but help guide a project with their knowledge and experience.

Customer focused Sales Reps

Our enthusiastic and motivated sales team virtually never sleep, such is their dedication to client projects. They will often be your point of contact in the company. Their business understanding means that they can offer you help and advice on where your project goes.

Reliable Infrastructure

We have invested in state-of-the-art machinery and equipment to ensure that the fabrication and design of our structures is of highest quality and that we produce only the best of the best products at our manufacturing facilities...







Business Expertise

We don't see our client projects as a one way process, rather it is about building relationships with people and other companies and finding out ways to help one another. Over the years, our interactions with customers from around the world have given us unique insights to the business practices of companies from various parts of the world. We use this information to improve your project workflow and planning

INTRODUCTION TO OUR PRODUCTS

We are known as a specialist in the manufacturing and installation of PVC, PVDF, HDPE and PTFE sheds. Right from designing, patterning, plotting & fixing – we do it all. We deal with MEHLER, FERRARI, VERSEIDAG, SIOEN, NAIZIL and other internationally-acclaimed suppliers in order to provide quality products at competitive prices...

Steel Fabrication

We have state-of-the-art in-house facilities to fabricate the most complex steel and aluminium structures for buildings as well as a variety of shade systems



Car Parking

We specialise in the fabrication and turnkey installation of all kinds of car parking shades. We manufacture our own steel structures and fabricate our own shades inhouse



Entrance Shades

We have installed many Entrance Shades in private villas, government buildings, clubs, embassies and other buildings. We provide a variety of designs and fabrics to choose from



Design Capabilities

- Structural Engineering
- Computerised Designing on CAD
- Inhouse plotting and patterning facilities
- Experienced, skilled installation workforce
- Fabrics approved by Ministry of Public Works
- Eco-friendly and recyclable fabrics comply with green building standards
- Fully equipped Engineering Department
- Stringent quality control standards

Garden Shade

Garden Shades is our speciality. We have customdesigned many Garden Shades for schools, public parks, recreational areas and other public places. We recently completed the Garden Shades project at the prestigious Sharjah Corniche project



Swimming Pool Shade

Our design engineers work closely with our clients to design and install a wide range of swimming pool shades. By providing custom solutions for every client, we have successfully completed several projects for swimming pool shades



PLAN

Kids Play Area Shade

Demand for Kids Play Area Shades has been increasing in the UAE and we have been at the forefront of fabricating, designing and installing a wide variety of Kids Play Area Shades for our esteemed clientele





We also undertake fencing contracts throughout the UAE serving a wide range of clients – both commercial and private entities. Contact us today for all your fencing requirements – custiomised solutions available



MEMBRANES & FABRIC TYPES HDPE SPECIFICATIONS

A fabric structure's material selection, proper design, engineering, fabrication and installation all work interdependently to ensure a sound architecturally pleasing structure. The material's role in the structure's integrity and performance makes the selection process especially important. This is particularly true of tensile and air supported structures since their membranes, as well as their framework, carry the loads.

HDPE (High Density Polyethylene) mesh is a heavy duty knitted shade cloth designed for tensile membrane, shade structures and shade sails where fabric is placed under large pre-stress. HDPE mesh is suited to large commercial projects where specifications require fabric exposed to environmental conditions including wind, rain, hail, dust and UV exposure. Woven HDPE construction offers maximum Ultra Violet A & B protection.

Fabric performance

A chic HDPE shade sail is the perfect alternative to a traditional pergola or covered porch. Floating and curvaceous, shade sails make an attractive addition to any property, and with the right design, they can enhance the existing property with artistic or architectural flair and style.

HDPE sun sails are wonderfully versatile; they can be attached to homes, trees, or patio columns. In addition, they can be supported by wood posts or steel columns embedded in concrete footings, and they can also be taken down seasonally as required.

Versitality

HDPE Shade Sails are the ultimate in stylish sun protection. Courtyards, pool areas, gardens, children's play areas, car spaces, and even entry ways can all benefit from the cool good looks of a shade sail solution. Available in a variety of shapes, colors, and materials, HDPE Shade Sails are a decorative and affordable way to create shade that will keep you more comfortable in hot weather. These state-of-theart materials block the sun's harmful UV rays yet remain totally unaffected by moisture and natural temperature extremes. Some shade sail fabrics provide waterproof / water resistant properties.

Technical Details

The perimeter of each HDPE Shade sail is designed with a gentle cantenary curve inwards towards the center of the sail to control the fabric tension. HDPE shade sails have reinforced webbing around the perimeter and marine stainless steel D or "Delta" rings at each corner. When properly tensioned, shade sail fabric will not wrinkle, sag, or flap in the wind.







MEMBRANES & FABRIC TYPES PTFE SPECIFICATIONS

PTFE (polytetrafluroethlyene) coated high translucency glass fibre fabric is a dynamic tensile material unmatched for its aesthetics and durability, making it ideal for tensile membrane structures and shade structures. PTFE glass fibre coating is chemically inert and capable of withstanding temperatures from -73°C to +232°C. The low-surface free energy of the material results in a fabric membrane which is readily rinsed by rainwater and is completely immune to UV radiation. Under normal conditions, the fabric behaves elastically and does not undergo significant stress relaxation or creep.

Fabric Performance

PTFE glass fibre high translucent fabric membrane can be spot welded or sewn and provides exceptional strength and durability. These features allow designers the ability to push the envelope of exterior (and interior) design without worrying about cracking or creasing under the strain of repeating flexing or folding. Structurally, PTFE glass fibre fabric is waterproof, resists UV rays and is chemically inert. As a result, it is exceptionally stain resistant and easy to clean. PTFE fabric can reflect as much as 60 percent of visible light to make it a cost-effective, low-maintenance option for building owners and developers who demand a material that installs white and stays that way, long after a project has been completed.

Non-stick Attributes

In addition to PTFE's 'non-stick' attributes, when coated with titanium dioxide (TiO2) photo-catalyst they inherit self cleaning properties that are superior to conventional PTFE coating. Called the Photo-catalytic decomposition process, a self cleaning action that occurs as the TiO2 causes any organic matter (stain or pollutant) to decompose through simple oxidation. The residue does not adhere to the surface and is washed away by water or rain. The Photo-catalytic hydrophilicity process, the sheeting action of water across the surface, assures no unsightly streaking is left behind due to water beading.

Natural Lighting

PTFE glass fibre high translucency fabric, is ideally suited for MakMax's commercial and retail market sectors. By evenly dispersing daylight, this material is a sensible option for facilities such as malls or office complexes, where indoor foliage and landscaping are commonly used. In these interiors, plants grow more naturally without "reaching" toward a specific light source. This material also lends itself well to dramatic illumination. With its highly reflective coating, PTFE glass fibre high translucency fabric serves as a compelling backdrop for night time or interior lighting.







MEMBRANES & FABRIC TYPES PVC SPECIFICATIONS

PVC (Polyvinyl Chloride) membrane is the most widely used tensile membrane fabric. PVC is commonly produced in white, but can be produced in a multitude of colours depending on individual project requirements. When produced in white, this flexible fabric membrane reduces radiant heat gain, keeping interior temperatures cooler in warmer environments.

Fabric Performance

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Available Color Shades



Technical Details

PVC is commonly coated with protective acrylic lacquer, PVDF alloy, 100% PVDF or TiO² coatings. PVDF alloy is made of fluoride, carbon and hydrogen. It has good resistance to airborne pollutants, UV and weather. As the top surface coating is not 100% PVDF it can be easily welded by lap welding. This material is commonly known as weldable PVDF in today's market and as such it is economical to manufacture and weld. Based on its average self cleaning characteristics the PVC has a design life of approximately 10-15 years. 100% PVDF top coatings offer good self cleaning properties. However, the 100% PVDF coating cannot be welded to another sheet of the same material. The PVDF coating must be ground off or the fabric butt welded. PVC fabrics have excellent fire ratings

but are combustible. In general, fire ratings are not a major concern for open structures as the toxic fumes are dispersed by natural ventilation. Based on its average self cleaning characteristics the PVC has a design life of approximately 15-20 years.

When PVC membranes are coated with titanium dioxide (TiO²) photo-catalyst they inherit self cleaning properties that are superior to conventional PVC coatings. Called the Photo-catalytic decomposition process, a self cleaning action that occurs as the TiO² causes any organic matter (stain or pollutant) to decompose through simple oxidation. The residue does not adhere to the surface and is washed away by water or rain. The Photo-catalytic hydrophilic process, the sheeting action of water across the surface, assures no unsightly streaking is left behind due to water beading.



STRONG & WEATHER RESISTANT



EXTRA UV AND THERMAL PROTECTION

TPVC Coated Mesh

TPVC coated (polyvinyl chloride) mesh is an exceptionally durable fabric membrane produced with polyester, fiberglass and other types of reinforcements. PVC-coated mesh is weaved during fabrication, resulting in increased tensile strength. This enhanced tensile material offers architects and building owners greater versatility during the design phase of project development, diminishing concerns about fabric compatibility and size.

In addition, PVC-coated mesh can be stitched, welded or glued to form the membrane on Arkan Shades tensile structure systems. These systems can be used in a wide range of climates, making it a sound choice for a multitude of weather conditions (-30 ° C to +70°C). PVC-coated mesh also offers aesthetic features such as partial translucency, which allows natural daylighting, increased textural interest and wide color selection.

PVC Precontraint

These meshes has unique features, thanks to the exclusive Precontraint coating process, which guarantees a thicker PVC layer than with a traditional impregnation method, unequalled mechanical resistance, and straight yarns. This technology ensured exceptional dimensional stability for fabrics, almost identitcal in both warp and weft directions. Elogation resistance in the wft direction is greater than with conventional coated fabrics. This exclusive technology ensures minmum movement in the finished product. No noticeable movement during welding will occur.

INHOUSE ENGINEERING MANUFACTURING & FABRICATION

Our dedicated manufacturing and fabrication unit is equipped to handle the entire gamut of processes involved in the production and installation of quality shade systems. Right from designing, patterning, plotting & fixing – we do it all

Our state-of the-art manufacturing and fabrication unit is equipped with the latest machinery and equipment. A professionally qualified and experienced team of skilled workers ensure that all products manufactured by Arkan Shade Systems meet the company's stringent quality standards. Our in-house facilities for fabricating steel structure for our shade systems gives us the ability to strictly monitor the quality standards of our products. By using the latest machines for cutting, seaming and stitching our fabrics, we are able to provided customized solutions for all kinds of shades.

Seaming Machine



Welding Bay











STEEL FABRICATION

Our manufacturing unit is equipped with precision machinery and equipment, capable of handling all kinds of structural designs and fabrication assignments. With over 15 years of experience, Arkan Shade Sytsems has built an enviable reputation in the local market and is today recognized as one of the leading providers of all kinds of shade systems.

Arkan Shade Systems is recognised as one of the largest and most technically capable steel fabricators in the UAE. This reputation has been earned by consistently exceeding the expectations of our customers with regard to manufacturing and product excellence supported by exceptional technical service.

At Arkan Shade Sytsems, we strive to consistently exceed client expectations. The equipment and material that we use in our manufacturing processes and the end products that are produced will be continually evaluated for personal, environmental and workplace safety.

Stitching



Joinery



Welding





CAR PARKING DESIGNS

Arkan Shade Systems manufactures shades to protect cars and vehicles in parking lots – durable and attractive pre-engineered outdoor shade awnings and canopies. Choose from our extensive line of shade structures, umbrellas, tents, canopies, and sun shelters where protection is needed from the sun's harmful U.V. rays.





Arch Design







PORTFOLD EREFE

It is our commitment to design and manufacture outdoor shade systems which meet the customer's objectives for providing protection from the sun's ultra-violet rays, heat, glare, and rain. Our products are built to exacting standards which deliver QUALITY, at an ECONOMICAL cost which ultimately provides the customer with VALUE.



Steel Structures

Inhouse Steel Design & Fabrication:

- Fabrication of steel structures
- Computerised Structural Engineering
- Custom Designs
- Reinforced Steel Structures
- On-site installation
- Inhouse Welding & Joinery





Sharjah - Al Majaz Park Kids Play Area and Pathway:

- Turnkey project execution
- Designing, Plotting, Patterning & Fixing
- Corrosion-resistant metals
- Electrostatically Powder-coated
- Minimum tensile strength of 45,000 psi on all posts
- Weldments finished with a zincrich galvanized coating

IFE CYCLE A SSESSMENT

Our fabrics are sourced from various manufacturing companies around the world. By combining product range, knowledge, and experience from these reputable organisations and industry leaders we can offer the perfect solution to your specific shade project. All our fabrics have been extensively tested and we know that our products are good, that is why we stand by them with a 10 year UV warranty!

Fabric Performance

PVC (Polyvinyl Chloride) membrane is the most widely used tensile membrane fabric. PVC is commonly produced in white, but can be produced in a multitude of colours depending on individual project requirements. When produced in white, this flexible fabric membrane reduces radiant heat gain, keeping interior temperatures cooler in warmer environments.



epcoat

REACH

Registration, Evaluation and Authorisation of Chemicals

N TRANSPOR

VINYL ZO10 TEXYLOOP

RAW MATERIA

TRANSPOR





Fabric Performance

More than 99% of knitted shade fabric is used outdoors therefore it must be able to withstand adverse weather conditions through all seasons, year after year. Arkan Shade Systems offers a 10-year warranty on all fabric in both the 320 and 370 range.





RESPONSIBILITY & SUSTAINABILITY ENDERONALENT

Shades and Tensile structures made by Arkan Shade Systems are aimed to develop sustainable solutions to ensure production of reliable and innovative high quality products by using environmentally sustainable materials which represent our way to deal with quality control, energy and resources.

Preserving environtment and resources is our duty towards future generations.

Durability & Sustainability

Our coating technologies reduce the need for cleaning chemicals because our self-cleaning fabrics resist dirt, stains and pollutants-alittlerain will restore the surface back to original.

With its eco-friendly design and environmental policy, Arkan Shade Systems sets stringent regulatory requirments for all their supplier products and assume the best possilbe practices for safety and the environment.

Based in lifecyle analysis carried out and tested by the authorised bodies, Arkan Shade Systems gives preference to prodcuts that are eco-designed thanks to an optimal use of resources focusing on safety, minimal impact on the environment and incorporating renewable raw materials.

Solar Protection Anti UVA, UVB

Open, airy designs such as those Arkan Shade Systems provide offer an abundance of natural light to building interiors. Tensile membrane's high degree of translucency results in decreased demand for costly electric lights.

Additionally, studies have shown that increased natural light levels and productivity go hand in hand. At the same time, tension membrane offers a high level of solar shading, subsequently reducing solar heat gain within a structure.

We are proud of the synergy between technological advances and environmental responsibility. Not only does our Research and Development facility continue to produce these newer, greener products and systems, we also support Texyloop, the international PVC recycling initiative established by Ferrari Textiles.

Quality Control

V

Our fabric suppliers are actively engaged in the collection and recycling sustems of PVC textile membranes composite in order to produce new row materials with low environmental impacts, this is in addition to their in-house recycling systems. Therfore, they are seriously commited to follow and to apply the international guidlelines and legislations in order to deal safely with their products.





OUR DRIVING FORCE CLIENTS

We have the privilege of working with some of the most well known companies in the UAE and we don't take this lightly. Because quality of work comes first with us and strong client relationships are our priority. It's our in-depth understanding of clients' businesses that enables us to deliver the quality of advice and service they expect.

Client Testimonials

Arkan Shade Sytems has indeed done an excellent job in installing a custom-made shade solution for our swimming pool. My personal thanks to the entire team

> Mr. Gargash Director – Gargash Enterprises

Manipal University Nad Al Hammar Masjid Al Nahda Masjid Twar Dubai Muncipality, **Qusais Munciplity** Our Own English school, Warqa Wellington Academy Barsha Sonapur Grave yard Yousuf Ahli Bld, Qusais Gulf World Wide Villa Jumerah Nad Al Sheeba Hanging Dome Royal Amwaj, Palm Jumerah Al Noor Centre Barsha Mafrag Hospital Nadia, Abu Dhabi Golf Club Rawdah Palace Shaikha Rawdha Palace, Al Ain Muncipality

Our Clients are:

Argam School Al Yousuf Motors Al Futtaim Motors (Toyota) Laya Plaza Hotel Dubai Municipality Al Sadig Islamic Engilsh School **Dubai National School** Allied Trading L.L.C - Qatar Dubai Chamber of Commerce Dubai Labour Office **Emirates Co-Operative Society** Directorate of Public Works, Al Hikma School Fuiairah Church Sultan Villa Gargash Farm House Hikma School Jurf Park

United International Private .School AI Diwafa High School St Mary's Church Trading Enterprise (Honda) Ministry of Labour Dubai Chamber of Commerce Dubai Police Headquarter ABM (KHDA) Academic City Wellingtomn Academy Khalifa City ADNOC AI Majaz Park Qasba, Dubai Garden Centre Emirates National School' Millenium School - Sharjah Victoria School - Sharjah The car parking shades designed and installed by Arkan Shade Sytems have not only provided an added aesthetic appleal to our campus but has also proved their untiring commitment to quality and workmanship

> Manipal University Engineering Manager

Job well done! I congratulate the team at Arkan Shade Solutions for a job well done and executed. I appreciate their sincere efforts in providing is excellent service and quality shade solutions

> Dubai Municipality Projects Manager





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