



SIJIA Membrane 思嘉建筑膜结构材料

公司简介 ABOUT US

SIJIA constantly provides new environmental protection material products and professional services to more than 100 countries and regions of the world, including modern transportation, medical, construction, outdoor sports and leisure, competitive sports and other 18 major industries, proposing different application solutions for the market.

SIJIA strictly follows ISO9001 Quality Control System. It builds an overall process Quality Assurance System (QAS) from raw materials, technical formula and quality monitoring to products delivery. Meanwhile, SIJIA invites the experienced European expert, who has fully improved R&D, technology, product quality, and ensures excellent and stable products to our clients.

With the most advanced production lines in the world and experienced professional technical team, SIJIA can produce the most suitable products based on different needs of customers.

思嘉为全球100多个国家及地区的现代交通运输、医疗、建筑、户外运动休闲、体育竞技等18大行业领域,源源不断地输送新型环保材料产品及专业服务,为市场提供不同的需求应用解决方案。

公司严格按照ISO9001质量管理体系运行,建立了从原辅材料进厂、工艺配方、在线品质监控到成品出厂全过程的质量保证体系(QAS),同时,聘请欧洲资深研发专家为总工程师,对研发、技术、品质全面加强管理及提升,确保为客户提供品质优异、稳定的产品。

凭借全球最先进的生产线、经验丰富的专业技术团队,思嘉可根据客户不同的需求生产适合的产品。

福建思嘉环保材料科技有限公司 FUJIAN SIJIA INDUSTRIAL MATERIAL CO.,LTD.

- ADD: 福建省福州市晋安区宦溪镇思嘉工业园
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思嘉环保材料科技(上海)有限公司 SIJIA NEW MATERIAL (SHANGHAI) CO.,LTD.

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SIJIA Industrial Park, No.8 Qiuzhen Road, Caojing Town, Jinshan District, Shanghai, China
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福建思嘉新材料科技有限公司 FUJIAN SIJIA NEW MATERIALS TECHNOLOGY CO., LTD.

- ADD: 福建省福州市福清市新厝镇思嘉新材料科技产业园
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思嘉集团官网 思嘉集团公众号 思嘉新材公众号

Spotlessly White 洁 白
Lightness 轻 盈
Soft 柔 软



SIJIA Membrane 思嘉建筑膜结构材料

Product Introduction / 产品介绍

Membrane structure, which can realize the perfect combination of architectural design and Large space structure, is a new type of building structure system. That is widely applied throughout the world because of its shape free and lightness, easy to make and install, safely using.

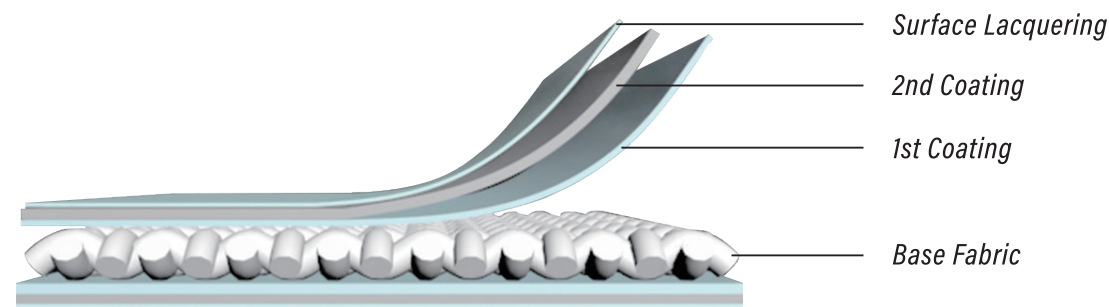
SIJIA TF Membrane takes innovative technology and Nano TiO₂ surface treatment, which can absorb and reflect plenty of ultraviolet, and then reducing the membrane destruction from ultraviolet (UV), extending the lasting time of products. Meanwhile, the products will be durable and beautiful because of the self-cleaning function.

With most technical innovated coating line and professional technical team, SIJIA focuses on R&D and innovation of membrane materials, meets the demands of different fields of application, and promotes the development of excellent self-cleaning anti-fouling performance.

膜结构是一种全新的建筑结构体系, 实现建筑设计与大空间结构的完美结合。实现建筑设计与大空间结构的完美结合。其造型自由轻巧, 制作简易、安装快捷、使用安全, 在世界各地受到广泛应用。

思嘉TF系列膜结构材料采用创新技术和纳米二氧化钛表面处理, 这种表面处理能大量吸收和反射紫外线, 最大限度的减弱紫外线对膜结构材料表面的破坏, 延长产品的使用寿命, 同时又赋予膜结构材料表面超高的防污自洁功能, 真正实现膜结构建筑物的持久美观。

思嘉凭借最先进的设备与专业的技术团队, 致力于膜材的研发与不断创新, 满足不同领域的应用需求, 与您携手, 共同促进行业的发展。



Product Characteristics / 产品特性

- **Excellent Easy Cleaning and Stain Resistance:**
By using innovative technology and high effective lacquering, SIJIA Membrane has excellent self cleaning property.
- **Excellent Weather Resistance and UV Resistance:**
The lacquer with high amounts of PVDF and TiO₂ reflect or absorb the great mass of UV that can enable the material long stability.
- **The Minimization of Plasticizer Migration:**
Chemical resistance on the surface of the material can achieve long-term protection and prevent the separation between lacquer layer and PVC coating layer, which can be reduced the plasticizer migration to a minimum value, and then to ensure that the physical properties of the membrane material in use for a long time.
- **Excellent Anti-mildew and Anti-bacteria:**
By using the base fabric with high density and adding anti mildew assistance to completely avoid the appearance of delaminating and mildew caused by dampness penetration.
- **High Physical and Mechanical Property:**
High strength polyester fiber and high precision of coating enables material excellent tensile strength, adhesion strength, tear strength and high welding property.

- **良好的易清洁性和耐污性能:**
采用创新技术, 结合高效的表面处理剂的使用, 使膜材的自洁性能超群。
- **良好的耐候性和抗紫外线性能:**
高含量PVDF和纳米级TiO₂表面处理, 反射或吸收大部分的紫外线辐射, 最大限度的减弱紫外线对表面处理层和PVC涂层的影响, 使材料的性能长期稳定。
- **最小化塑化剂迁移影响:**
材料表面的抗化学性可以实现长效的保护作用并防止表面处理层和PVC面层的分层, 把塑化剂的迁移降到最低, 以确保膜材在长期使用时的物理性能。
- **优良的防霉抗菌性能:**
采用高密度聚酯纤维, 添加防霉助剂, 彻底消除了膜材因潮湿侧渗而可能产生的面层脱落或发霉现象等现象。
- **高强度物理机械性能:**
高强度聚酯纤维配合高精度的涂层加工工艺, 使得材料具备良好的拉伸、剥离、撕裂强度, 并且在加工的过程中显示出良好的焊接性能。

Items 项目	Type 型号	Test Method 测试方法	M372FA	M495FA	M4105FA	M5105TF	M6125TF	M7145TF	M10155TF
Titer Of Yarn(Denier) 织造丝规格		DIN ISO 2060	C	C	C	D	F	F	H
Weave Style 织造方式		DIN ISO 9354	L1/1	P2/2	P2/2	P2/2	P2/2	P3/3	P3/3
Weight of Base Fabric 基布重量(g/m ²)		DIN EN 12127	200	275	275	350	400	490	640
Total Weight 总重量(g/m ²)		EN ISO 2286-2	720	950	1050	1050	1250	1450	1550
Total Thickness 总厚度(±0.02mm)		ISO 4593	0.58	0.75	0.82	0.85	1.00	1.15	1.25
Tensile Strength 拉伸强度(N/5cm)		EN ISO 1421	3000/3000	4200/4000	4600/4500	5700/5200	6200/5800	7500/7000	10000/9000
Tear Strength 撕裂强度(N)		DIN 53363	300/300	550/500	550/500	750/700	900/850	1200/1100	1800/1700
Adhesion 剥离强度(N/5cm)		EN ISO 2411	>100	>120	>120	>120	>120	>120	>120
Threshold Temperature 极端适用温度(°C)		DIN EN 1876-1	-30°C/+70°C	-30°C/+70°C	-30°C/+70°C	-30°C/+70°C	-30°C/+70°C	-30°C/+70°C	-30°C/+70°C
Light Transmission 透光率		-----	9%	8%	8%	6%	5%	5%	4%
Surface Treatment 表面处理		-----	PVDF			TiO ₂			
Flame Retardancy 防火标准			DIN4102-1 B ₁ 、GB8624-2012 B ₁						
Quality Management 生产标准			ISO9001、EN、DIN						

- The above technical data are arithmetic averages with a permissible error of 5%.
以上技术数据为算术平均值, 允许误差5%。
- The buyer shall be fully responsible for the application of the product or any third-party use of them.
买家对产品的应用或者他们任何第三方其他用途负全责。
- All the above data are provided as the best advice we can offer for the use of the product and should not be construed as a legal statement.
以上所有数据是我们能为产品的用途提供最好的建议, 不作为法律声明。
- As our technology continues to improve, the product is also constantly being upgraded, and we reserve the right to modify the product features at any time.
随着我们技术的不断改进, 产品也在不断升级, 我们保留随时修改产品特性的权利。

Product Applications / 产品应用

- **Tensioned membrane structure:**
large-scale stadium, park landscape, Car park, toll station, etc.
- **Single layer or Double layers gas-bearing type membrane structure:**
Industrial Mine Storage, Plant Garden, Badminton Hall, Tennis Hall, Hockey Hall, Biogas Tank Covers, Gas Tank, etc.
- **Shading Architecture :**
Stadium, Shopping Malls, Entertainment Center, Exhibition Centers, etc.
- **张拉膜结构:**
大型体育场馆、公园景观、停车场、收费站等;
- **单、双膜气承式膜结构:**
工业煤棚绿色仓储、农林植物园、羽毛球馆、网球馆、冰球馆等运动场馆、生物沼气池加盖、储气柜等;
- **遮阳建筑:**
购物场、娱乐场、展览会场等。