Fujiashi®
富 家 石
富家石建材有限公司
FUJIASHI PRODUCTS LTD.

富家石建材有限公司
FUJIASHI PRODUCTS LTD.
地址（Add）：广东东莞市桥头镇禾坑村禾大路八号
No,8 Heda Road,HeKeng Village,QiaoTou Town,
DongGuan City,GuangDong Province,China
电话（Tel）:+86-769-81026312
传真（Fax）:+86-769-81026315
网址（website）http://www.fujiashi-ssm.com

目 录

CONTENTS

企业形象……01
目录…… 02-03
创始人简介……04
企业文化……05
企业简介…… 06-07
与富家石合作优势……08
富家石办公环境……09
富家石工厂……10
富家石独特的生产工艺……11
产品优点 ……12-13
产品优势…… 14-15
富家石色彩与应用…… 16-17
富家石工程系列…… 18-19
富家石云石纹系列…… 20-21
富家石花纹石系列…… 22-25
富家石系列……26-27-28
富家石豪华石系列……29-30-31
富家石家居工程形象…… 32-35
保养技巧……36
贴心维护……37
常见问题…… 38-39
开裂预防…… 40-43
富家石品质标准…… 44-45
富家石六大保证……46
技术参数对比表……47
富家石荣誉证书…… 48-49
富家石合作伙伴…… 50-51
富家石销售网络…… 52-53

富家石创始人—黄创总裁
President Henry Wong

* 世界莞商联合会理事
* 东莞市橱柜行业协会副会长
* 东莞市工商联合会（总商会）副会长
* 全国工商联家具装饰商会人造石委员会理事

富家石始创人黄创总裁，1980年到美国进攻建筑业，1984年取得美国注册建筑执照。在美国执业期间，发觉使用大量的花岗石，会严重破坏地球生态环境，况且花岗石具有致癌的辐射。鉴此，黄氏毅然放弃利益丰厚的建筑业，加入人造石发明者杜邦公司及Grubber公司接受正规培训学习人造石的技术，并取得专业证书。于是，1995年在美国创立Grandstone品牌，在2004年，已能跻身于十大名牌中，得到美国若干跨国建材公司的好评，并支持黄氏在中国设厂生产。

黄氏除了婉惜花岗石的大量开采会严重破坏地球生态环境之外，还十分痛恨国内一些人造石厂家，用平价钱但不健康的原料，制造劣质的产品输出外国，极度损害中国人的形象。在痛心疾首之余，为了要挽回外国人对中国产品的信心，在2003年，放弃在美国的舒适生活，回祖国办厂，为中国人争一口气。

迄今，黄创先生所领导的工厂已向欧、美、澳洲各地销售超过三十万片板材，约一百万平方米，从来未收到客户的投诉或退货，大大提高了国内人造石的品质标准，成功地挽回外国人对中国产品的信心。今后，黄创先生决心不断努力，保护及发扬中国人民的优良传统，制造比欧美国家更优质的产品，为中国人民作出更大的贡献。

Mr. Henry Wong is the founder of Fujiashi Solid Surface. In 1984, Mr. Wong began his career as a licensed contractor in the United States. During that time, he discovered that granite emitted harmful radiation, as well as contributing to endangering the global environment. Mr. Wong gave up his profitable construction business, joined the training programs sponsored by Dupont, and Gruber Systems Inc., and obtained their achievement certificates in solid surface.
In 1995, Mr. Wong started Grandstone brand solid surface. By 2004, Grandstone was one of the top ten solid surface brands in the United States. His products were highly regarded for their superior quality by many international building material suppliers.
Mr. Wong is an advocate of high quality manufacturing in China. Through his tireless work, he strives to protect consumers from unsafe manufacturing practices. He also understands need for the protection of the environments and ecosystems that are being destroyed by mining granite stone they contain.
Today, Mr. Wong's factories have exported over a quarter million sheets of solid surface to the United States, Europe and Australia. His factories have set the standards for quality that are looked up to by manufacturers in many industries.

企业文化

使命：造世界最好的实体面材，为中华民族争光！
愿景：成为中国最大的实体面材企业。

公司历经七年的发展，兴建了宽阔的厂房,明亮的办公楼,舒适的员工宿舍。门口奇石流水,鱼翔潜底；路旁绿树成荫,花香沁脾。培训室、活动室成为员工提升、发展、展示和愉悦的场所。外出学习、参观和旅游成为员工对外交流的平台。管理制度、作业规程、技术标准、质量标准、安全标准涵盖每个员工和每个岗位。质量标语、安全标语、温馨警示张贴在每个醒目位置。我们不仅关注生产的产品，更关注生产产品的人。站在人性的角度管理员工，逐步让员工与公司形成共同的价值观，实现员工的自我管理，为最终实现公司的“使命”和“愿景”而不懈努力！

Henry&Lenny

FUJIASHI Company Introduction

企业简介

东莞市富家石建材有限公司成立于2005年，总投资额为：1.5亿人民币，是一家集研发、生产、销售和服务为一体的实体面材高科技企业。产品远销海内外，并深受消费者的喜爱。总部设在广东省东莞市，占地100亩，厂房面积4万平方米，配备16条生产线，员工700多人，目前年产能达到100万件。

公司秉承高起点、高标准、高品质的要求，以现代化管理作为企业的立足和发展之本。整个产品生产工艺流程严格按照ASTM（美国材料试验协会）的标准进行，同时聘请ISFA(国际实体面材制造业协会）技术权威Lenny Elbon长驻公司进行全方位的技术指导和监控，从而保证了公司的产品为国际顶级产品。是美国名牌建材公司Formica(富美家)指定生产商及其它知名的各国橱柜商指定的供应商，年出口量为1亿美元。在国内与恒大地产、富力地产及雅居乐地产等发展商紧密合作，得到极大好评。

与富家石合作优势

Stellar Customer Service- one of the many benefits when purchasing Fujiashi®

富家石为美资（独资）企业，资金雄厚，土地、厂房、设备自有，不欠供应商货款（原材料供货价优于其他厂家），从而生产成本也优于其他厂家。富家石对有诚信的合作商给予一定周期的授信额度，以为双方创建良好而长久的合作环境。

通过多年的经营，公司积累了雄厚的资金。为了进一步扩大公司生产规模，投资扩建了多个厂房，整合、分类和优化生产线，改善生产环境，以保护员工身心健康，持续改进产品质量，实现用户的需求。同时为了满足高端客户的需求，研制开发了人造金刚石，仿天然花纹板等，近期还将新建一座专门制造亚克力板材的生产车间，向多元化类型发展，实现“人无我有，人有我优”的产品优势。

为了有效的提高产品性能和质量，控制和降低生产成本，公司还陆续投资二亿元兴建树脂厂。树脂厂废物利用，使用回收的塑料饮水瓶，作为生产不饱和树脂的主要原材料，达到环保最大要求。树脂厂可以根据产品的性能要求，生产不同类型的人造石专用树脂，以实现产品的个性化特点。根据已有测试的结果，树脂的各项功能指标均能满足产品的要求。

富家石独特的生产工艺

按照富家石的工艺要求，对板材进行恒温烘烤及定型均衡降温。确保富家石的板材永久不开裂、不翘曲。

一、恒温烘烤：板材在成型车间固化成型后，转至恒温烘烤箱进行烧烤。烘烤分为两个阶段：升温过程及恒温过程。

1. 烘烤时间的设定：保证两个小时的恒温时间，升温时间视即时气温及箱体内原有温度而定。

2. 箱体内16个测温点所显示温度均匀（含升温及恒温），杜绝5°C以上温差。

二、定型均衡降温：

1.定型平台底座表面是否平整，应用水平仪进行检测，水平差不得超过1mm。

2.板材定型前的温度必须保证55°C以上。

3.保证所定型板材表面的平整性。

4.每个定型台1/2板定型数量不得超过20件。

5.将2T重压件均匀压在待定型板材上。

6.定型完毕的两个条件：①定型时间在20小时以上。②定型板材各部位温度降为35°C以下

产品优势

The Fujiashi® Advantage

富家石所有颜色的人造石产品是国内率先通过了美国国家卫生（NSF)食品接触标准“抗菌”卫生认证和美国产品安全（US)标准认证的人造石。所有产品都具有阻燃性、不沾油、不污染、耐磨、耐冲压、易保养、无菌防毒、无毒、无辐射、不含铅和锌等重金属元素，不会对身体健康造成任何危害，所有产品都可以用在需要放置加工食品的器物上；富家石所有产品可以装饰在任何要求严格的场所。因此，被欧美指定用在医院、餐厅、实验室、学校等配套产品使用。富家石以科技创新为动力，不断提高企业的核心竞争力，本着“回馈并服务于中国人名的宗旨，通过准确的市场定位、优良的产品品质、完善的售后服务、良好的品牌知名度并服务于广大用户。

色彩与应用
Color and Application

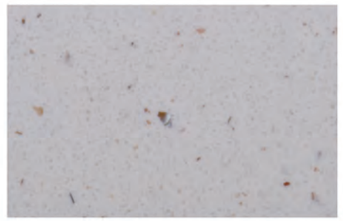
工程石系列（DY）

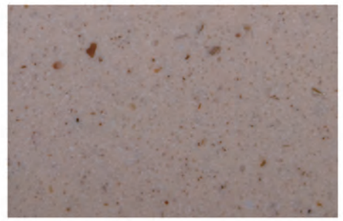
云石纹系列(YS)

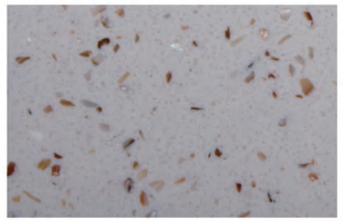
花纹石系列(FS)

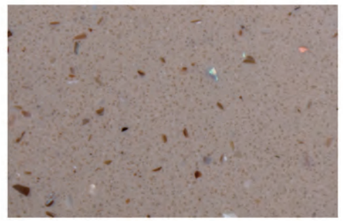
富家石系列(F)

豪华石系列(H)

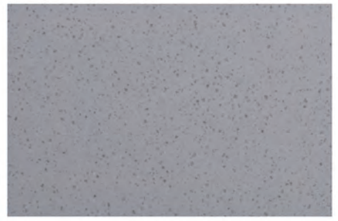

DY17寒玉秋霜


DY20华星秋月

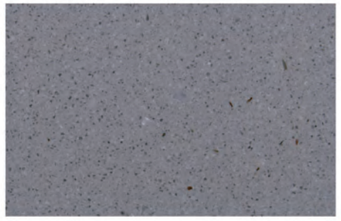

DY23傲雪冰天


DY18翠竹梨花

DY01极低寒冻

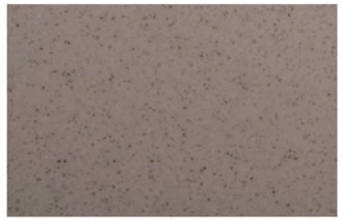

DY24海市蜃楼

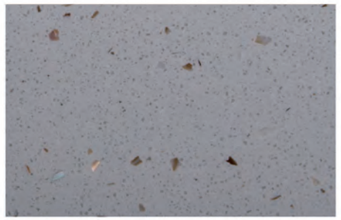
DY03雪影狂沙


DY16繁星点点

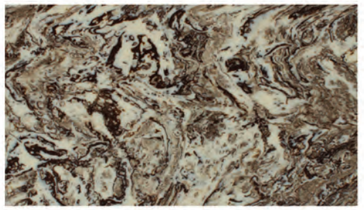
DY02金光灿烂

DY22寒木春华

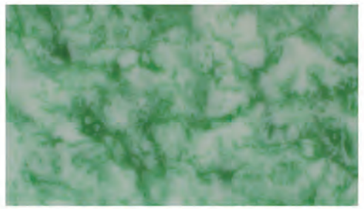

DY09夏秋之叶


DY21裹素银花

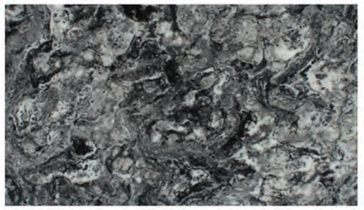
富家石云石纹系列
FUJIASHI® Marble Designs



YS 8801 龙凤吉祥



YS 8802 碧水蓝天



YS8803 大漠淘沙

YS8806 砂石流水

YS 8805 木木年年

YS8804 大漠流沙

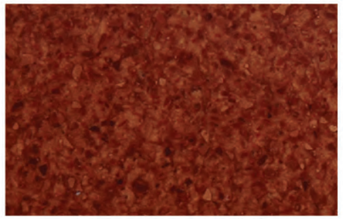
YS8807 凤凰白

YS 8808 木纹白

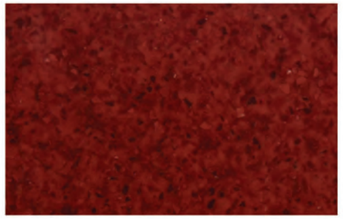
云石纹的华丽给您的生活空间增加了一份多变的色彩，丰富而梦幻的花色给您的生活增添一份别样的味道。

富家石花纹石系列
FUJIASHI Fantastic Designs

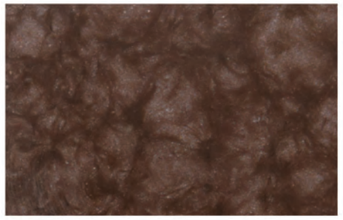
FS-8911


FS-8802

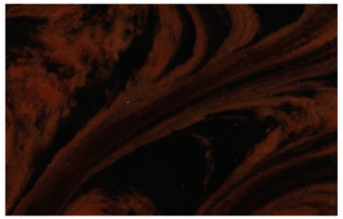
FS-8900


FS-8801

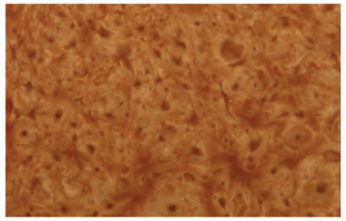
FS-8901


FS-8904

FS-8803

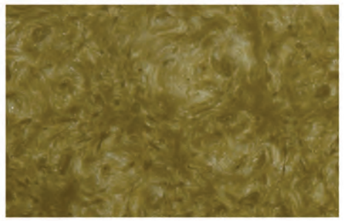

FS-8916

富家石花纹石系列
FUJIASHI Fantastic Designs

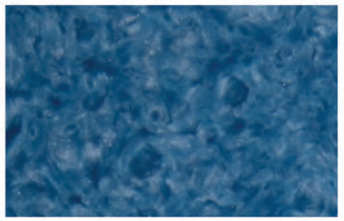


FS-8903

FS-8912



FS-8902



FS-8805

白玉米 F7020
冰川石 F8880
冰彩玉 F5650
白珍珠 F8280
冰雪情 F4332
草原牧歌 F6815
高山流水 F6816
汉白金 F5070
荷兰风情 F6817
红云映日 F6813
黑珍珠 F4648
黑蝴蝶 F7600
花岗岩 F8250
极地之光 F6810
黄玉米 F4335
黄沙石 F9623

金典玉 F4312
柳叶松 F3400
蓝色忧郁 F6828
金刚石 F7150
绿森林 F5206
蘑菇云 F4311
满天星 F4350
绿水湖 F4310
青春白 F2030
希望之星 F6808
文化石 F8050
太子白 F1030
小灰熊 F4333
雅典白 F8550
雪玲珑 F5040
雪花白 F8810

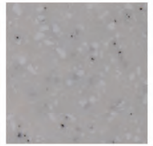
银鸽灰 F3030
云雾白 F8300
郁金香 F6812
玉晶石 F5020
朱古力 F9490
银装素裹 F6818
昨夜星辰 F6811
紫砂红 F3341

富家石豪华石系列
Fujiashi® Patterns

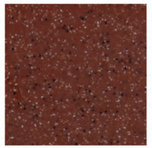
H102 纯白

H267 冰峰

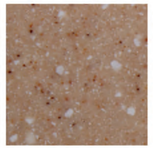
H266 冰玉石


H211 雪花白

H268 冰川石


H334 紫砂红

H316 雪玲珑


H720 麻雀黄

H338 格雾石

H366 雪绒花

H365 荷兰白

H347 砂碣

H451 山地红

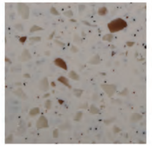
H601 白玉米

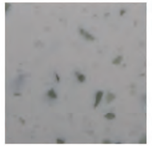
H550 满天星

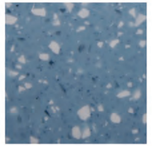
H512 珍珠白

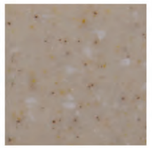
富家石豪华石系列
Fujiashi® Patterns

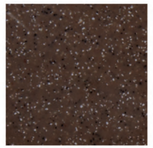
H907黄玉晶

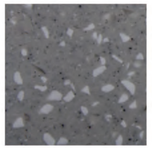

H906白雅石

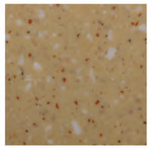

H909青苔岩

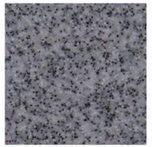

H908天空蓝


H912黄沙岩


H910朱古力


H825银露


H703秋菊黄


H815银鹄灰

H903冰彩玉

保养技巧
Maintenance

【大部分污渍对富家石不构成威胁】
Most household items will not permanently damage Fujiashi®

富家石为实体无毛细孔的密实材料，具有抵抗各类污渍侵蚀的特性，食物、食用油、酱油、醋、酒精、碘酒、柠檬酸、口红、鞋油、墨水等大部分污渍对富家石不构成威胁，其耐久性已非常优秀，维护容易无须打蜡而节约费用的特性更使它广泛适用于家庭及商业空间。

Fujiashi® is a solid, non-porous, homogeneous, compact decorative surfacing material that resists staining from most common household items. Common household items including most foods, cooking oil, soy sauce, vinegar, alcohol, iodine, citric acid, lipstick, shoe polish, and ink will not damage Fujiashi®. Fujiashi® has excellent durability and it's very easy to clean and maintain. It does not require waxing. Fujiashi® solid surface material has widespread use in both residential and commercial applications.

【日常清洁维护非常简单】
Easy cleaning and maintenance

水渍或少量污渍用湿抹布擦洗并加入少量家用清洁剂或肥皂水可即时去除。
Water spots and light staining can be easily eliminated by using a wet cloth with detergent or soapy water.

【严重污渍或割伤】Stubborn Stains or Nicks

用家用去污粉和菜瓜布擦拭即可去除，更顽强的污染可用细砂纸（800～1000）清除，再次用菜瓜布加水擦拭，即可保持其表面光泽。

Serious stains and/or nicks that can't be eliminated by cleaning with a wet cloth/detergent may require wetting the area with water and sanding with a fine grit sandpaper (800-1000 grit) in a circular motion. After sanding, Fujiashi® can be restored to its original luster by using polishing compound.

【较强污渍、烟头烫痕或少量割痕】Serious stains, deep gouging and cigarette burns

用砂纸加水去除污渍或划伤并用抛光机抛光即可。更严重之损伤请与富家石经销商联系，他们具备修补伤痕的技巧和设备。

Serious stains, deep gouging and cigarette burns may be eliminated with wet sanding followed by mechanical polishing using polishing compound. Please contact your local Fujiashi® distributor who possess the techniques and equipment for repairing deep scratches, burns and serious stains.

贴心维护
Care and Use Guide

使用富家石需贴心维护，避免下列不必要之损伤就更加持久常新。
The following care is required to prevent damage to Fujiashi® solid surface material.

【切割】Cutting

避免直接在富家石上切割。
Never cut directly on Fujiashi® solid surface material

【骤热】Heat

摆放热锅时使用防热垫，尽量避免在水池中交替使用冷热水。
Heat insulating pads or trivets should be used underneath hot items placed on Fujiashi® solid surface material. Avoid alternately running cold and hot water in Fujiashi® sinks without allowing enough time for the sink to return to room temperature.

【强污】Serious Stains

虽然富家石能抵御大部分污染物及腐蚀物，但强力化学剂、洁厕精、去锈剂、松香水、含酸的水管等长时间存放于富家石表面，也会造成污斑。
Fujiashi® resists staining and damage by most common household items. However, strong chemical agents, toilet cleaners, scale and rust removers, turpentine, drain clog removers (acids and bases) will produce spots or stains when left in contact with Fujiashi® solid surface.

【冲击】Impact

避免重物掉在富家石台面，防止造成难看的凹痕甚至断裂。
Avoid dropping heavy items on Fujiashi® solid surface material to prevent unsightly scratches, chips or cracking.

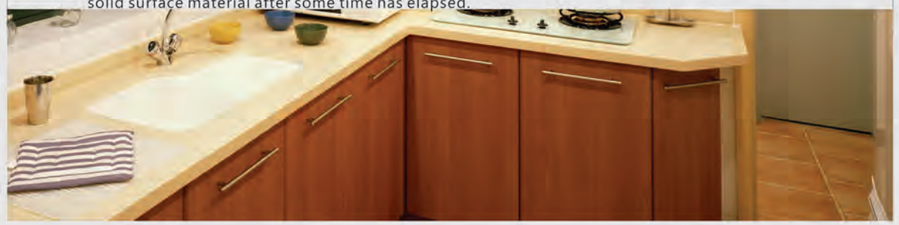
【火焰】Open Flames

避免富家石直接与燃烧的火焰接触。
Avoid open flames directly touching Fujiashi® solid surface material.

【干燥】Dryness

富家石防水，其吸水率极低，但仍需避免过度滞水，或将湿布、湿毛巾等长时间置于表面，要尽量保持富家石表面干燥。因为水中含有大量的漂白剂和水垢，长时间浸泡表面会出现白斑。若此现象发生，应尽快擦干表面，用吹风机加热吹干，一段时间后便可复原。

Although Fujiashi® is water resistant and its water absorption is very low, contact with stagnant water should be avoided. It is advisable to avoid placing wet towels or cloths on Fujiashi® solid surface material for long periods of time. Keep Fujiashi® surfaces as dry as possible. Because water contains dissolved minerals and rust , white spots can appear on Fujiashi® solid surface material after soaking in water for prolonged periods of time. Under such circumstances, wipe the surface dry as soon as possible and dry the surface with a hair dryer. This will restore the original appearances of the Fujiashi® solid surface material after some time has elapsed.



常见问题
FAQ

问: 富家石的主要成分是什么？
Q: What is [illegible]f?
答:富家石主要成分特种不饱和树脂、甲基丙烯酸甲脂和天然矿物质即氢氧化铝（并非塑料或合成大理石）它是用高分子复合技术制造的一种高级实心装饰面材。
A: Fujiashi® is mainly composed of a special, unsaturated, engineering grade, thermosetting resin, acrylic monomer and mineral filler (aluminum trihydrate). It is a high quality decorative surfacing material manufactured using polymer composite technology.

问: 富家石在整修时会不会出现台面与其它部位有色差现象？
Q: Will there be color differences between the top and other areas when installed or repaired?
答: 一次加工安装完成的富家石不存在色差，但在整修时不能保证颜色与原来安装的台面颜色一致。
A: There is no observable color difference between the top and other areas if they are installed with material from the same run number. The fabricator is instructed to leave a small piece of matching material with you, often in the form of a cutting board, for use in future repairs. Please don't lose the piece of color matched material because no one in the solid surface industry, including Fujiashi®, can guarantee that a repair made with material from a different run number will match in color.

问:富家石日常护理的最佳方式是什么？
Q: What is the best way to care for Fujiashi® solid surface material?
答:肥皂和水以及柔软的细纱布擦拭即可。如平常用的玻璃擦拭剂类的清洁剂是使富家石保持表面光洁的最好用剂。更多信息请参阅维护与保养部分。
A: Fujiashi® solid surface material may be cleaned with a soft cloth, detergent and water. Commercially available glass cleaners are the best cleansers for keeping Fujiashi® decorative surfacing bright and clean. Please refer to the Maintenance and Care and Use sections for more information.

问:是不是有些颜色比其他颜色更持久？
Q: Is it true that some colors are more durable than others?
答:尽管浅色外观色泽上不太明艳而且不需更多维护但是上述这种情况是不会的。富家石任何一款颜色都为您提供多年的值得信赖的服务。
A: All Fujiashi® designs will provide you with years of reliable service. However, lighter colors exhibit less wear and require less maintenance than darker colors.

问:当我不小心用轻重量的擦拭工具碰击造成划痕或刮伤时，会使这部分区域比其他部位看起来光泽度差很多。我该怎么办？
Q: I made an area of the counter top dull by using a cleaning pad. What should I do?
答:越好的擦拭工具会让富家石越有光泽。想有一个光洁明亮的效果最好是用一个好的擦拭工具。比如沾水的白色抛光棒，连带其他台面部分一道擦拭。再用柔软的抹布擦拭擦干即可。
A: If you want to keep your countertop clean and shiny a good cleaning pad to use is the white Scotch-Brite® light duty pad #7445 with water. The more you clean your top, the more lustrous it becomes.

问:我能在我已安装的台面里再安个水槽吗？
Q: Can I have a sink put into my countertop after it has been installed?
答:完全可以，但要测量一下尺寸使之相互匹配。请咨询当地加工商。
A: Absolutely, but measurements need to be taken to make sure they match each other. Please consult the local fabricator.

问:我需要在我安装台面以前选择水槽和水龙头吗？
Q: Do I need to select the sink and the tap before the top is installed?
答:尽管有一些通用型号尺寸，但我们还是建议您在让加工商加工台面前选择。
A: Sure. The proposals we recommend are the ones most commonly adopted by the majority of fabricators. You may communicate your ideas to the local fabricator so they can design according to your requirements.

问:我的收口选择方案想法和富家石网站以及宣传册上都不一样，还有其他选择方案吗？
Q: My idea of a joint is different than the proposals in the Fujiashi® literature. Are there any other alternatives?
答:当然。我们向您推荐的是绝大多数加工商最常用的方案。您也可以和当地加工商交流您的想法按您的要求设计。
A: Sure. The proposals we recommend are the ones most commonly adopted by the majority of fabricators. You may communicate your ideas to the local fabricator so they can design according to your requirements.

问:我在做饭时能把生的蔬菜、肉类放在富家石上吗？
Q: Can I place raw vegetables or raw meat on Fujiashi® when I cook?

答:当然！富家石没有缝隙，细菌病菌无处藏身并且通过美国 NSF 认证，可与食品直接接触。但我们仍然建议您在使用前先擦拭清洁，不要在放生肉的地方放置其他食物，直到经过彻底清洁后才可。最好使用稀释后家用消毒剂擦拭以便对健康更多一层保护。
A: Absolutely. Fujiashi® is free of cracks and voids so there is nowhere for bacteria and pathogens to hide. Our solid surface material was granted NSF approval under NSF 51 (Food equipment materials) for all food contact types when submitted by one of our customers. However, we still recommend you clean the surface before use and do not place other food where raw meat was present until the area is completely cleaned. Cleaning with dilute disinfectant, like bleach will provide extra protection.

问: 谁来安装我的富家石台面？
Q: Who will install my Fujiashi® Countertop?
答: 安装您台面的是经过培训的特许加工商。特许加工商保证您的台面得以正确安装及完全的保证。
A: A duly trained, licensed fabricator. The licensed fabricator will ensure your countertop is correctly installed and warranty in place.

问:我可以自己购买富家石板材并自己加工安装吗？
Q: Can I buy FUJIASHI® materials, fabricate and install them by myself?
答:可以自己购买板材，但最好是要通过富家石特许的加工安装商来加工安装。
A: Yes, but it is recommended that the fabrication and installation are conducted by a Fujiashi® - licensed installer/fabricator. If proper fabrication and installation techniques are not followed, it may void the warranty.

问:我在哪可以找到一个当地加工商或者得到一款颜色的样品？
Q: Where can I locate a local fabricator and obtain a sample of the color?
答:首先，找一个离您最近的分销商，分销商会帮助您和您区域里零售商及加工商联系为您安装。
A: Locate the Fujiashi® distributor nearest to you. The distributor will put you in touch with the nearest retailer and a fabricator in your area to assist you.

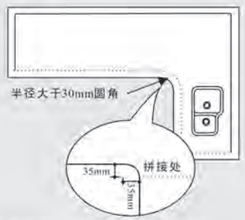
问:加工商给我留下一小块富家石作为切菜板，但我听说是不能直接在富家石上面切割的。我能用这块菜板吗？
Q: The fabricator left me a small piece of Fujiashi® for use as a cutting board. I heard cutting cannot be done directly on Fujiashi®. Can I use this cutting board?
答:独立的一块富家石被制成菜板，您可以使用这块菜板。但是不管怎样总会在菜板上面留下划痕的。所以决不能在您的台面上如此操作。
A: If the cutting board is separate from the Fujiashi® countertop you may use it, but scratches, nicks and cuts on the cutting board are inevitable. You definitely cannot cut directly on the countertop.

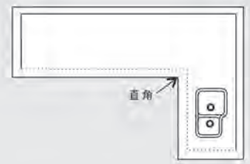
问:富家石台面加工完后会达到什么光泽效果？
Q: How will the gloss of a fully processed FUJIASHI® counter top appear?
答: 富家石可以被加工成亚光，半亚光，抛光形式。分销商会根据您的需要为您推荐最合适的光泽度。
A: Fujiashi® solid surface material can be fabricated with many different gloss levels/finishes including matte, semi gloss, high gloss and mirror finishes. Matte finishes exhibit less wear and require less maintenance than higher gloss finishes. The distributor will recommend the best finish for your needs.

问: 富家石可用于地板吗？
Q: Can Fujiashi® be used as flooring?
答: 虽然我们已经用在楼梯面上但最好不要用于地板上。只有大颗粒颜色的富家石才能减少耗损和划痕。
A: Although it has been used for stairway treads we would not recommend for use as flooring. The wear (scratches and nicks) will be very noticeable on all patterns except for certain large particulate colors.

问:我听说热的平底锅会把实体面材烤焦。我怎样才能防止热损伤？
Q: I heard that a hot pan could scorch solid surface material. How can I prevent heat damage?
答: 富家石具有耐热性，在摄氏100°C 的温度下仍可保持稳定不被损坏。但是不管怎样高温和火焰仍会伤到台面。大多数情况下这种损伤是可以被维修的，但是为了保护台面请您在使用时用一个隔热垫或是三脚架。您也可以在炉灶旁安装几根隔热钢条，这样热的平底锅也可以安心无忧的放置了
Fujiashi® is heat resistant, remaining stable and undamaged below temperatures of 212 ° F. However, high temperatures and contact with open flame may damage the countertop. This damage is repairable in most circumstances. The use of a heat insulation pad, or a trivet placed under hot items will help prevent this type of damage. Another alternative is to install several stainless steel heat insulation bars in the countertop near the stove or range where a hot pan can be placed without worry.

一、转角处





正确方法：半径 R 大于30mm圆角。
加工方法：
开料时在待拼接一侧预留大于35mm(其中5mm为修正量）。转角处反边用60mmx60mm（厚度根据反边高度而定）的富家石粘接。

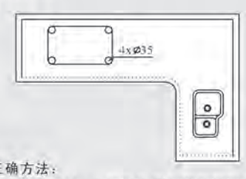
错误方法：直角

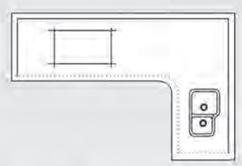
二、炉灶边缘与灶具四周的间隙

正确方法：间隙大于6mm或根据开孔纸摸而定

错误方法：无间隙或间隙太小

三、开孔炉灶

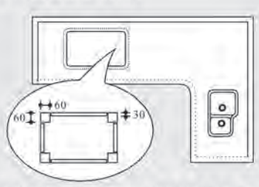


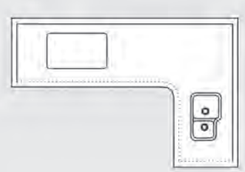


正确方法：
先用直径Ø35mm 的开孔器在炉灶的四周开四个圆孔，在加切割机或曲线锯开出炉灶空。之后用1/2x1/2+2直刀边缘修平滑

错误方法：用锯直接开孔

四、炉灶四周底部加固





正确方法：粘接30mm宽的富家石加强板。
加工方法：
先切四块（60x60)mm的富家石粘接在四角，然后切30mm宽按实际需要长度的富家石条粘接在四周。之后用锣机按加工好的炉灶孔锣光滑。

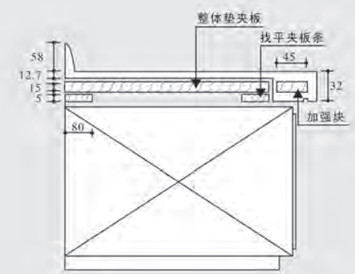
错误方法：未粘接加强板

五、隔热

正确方法：
炉灶四周应粘贴滤箔防止热辐射：在炉灶口上表加硅胶条，隔绝灶面的热量及防渗漏。

错误方法：未使用隔热材料隔热

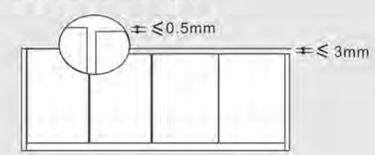
六、加强筋或垫板位置

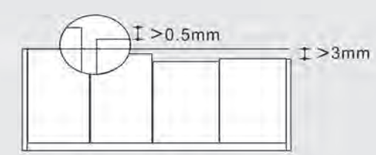


正确方法：
整体垫夹板在上，找平夹板条在下，如果台面下采用富家石加强筋，其加工要求是：挡水下沿都用两块富家石相加厚度为45mm，高度根据台面反边高度而定。台面底步每间隔 300mm 粘接宽25mm的富家石条。

错误方法：
找平夹板条与整体垫夹板位置垫反或未加装板。

七、安装时台面要垫实、要水平



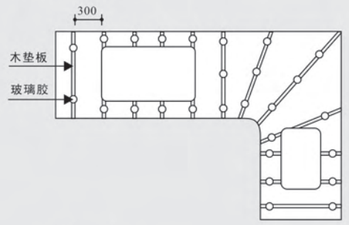


正确方法：
1、台面与垫板间要垫实，不能有虚位，更不能悬空。
2、整体橱柜水平度要求：相邻两点的绝对差不大于0.5mm,整体的绝对差不大于3mm。
3、安装垫板和加强筋后，其水平度偏差也要满足“2”的要求，安装台面后，水平不允许有偏差。

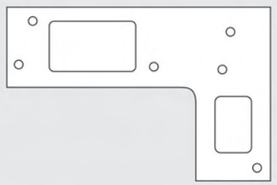
错误方法：
1、台面于垫板间未垫实，有虚位、悬空
2、整体橱柜相邻两点的绝对差大于0.5mm，整体的绝对差大于3mm。
3、安装垫板和加强筋后，其水平度偏差大于“2”的要求，安装台面后，水平有偏差。

开裂？预防就这么简单
Fabrication matters for good performance

八、打玻璃胶

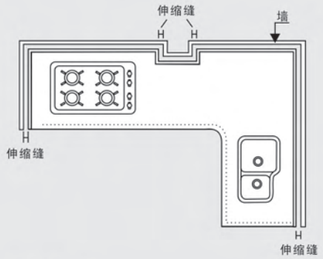


正确方法：
均匀的点状方式，间距400mm左右



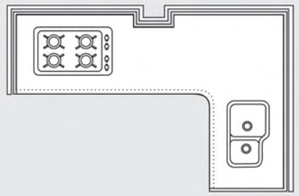
错误方法：不均匀的团状。

九、伸缩缝



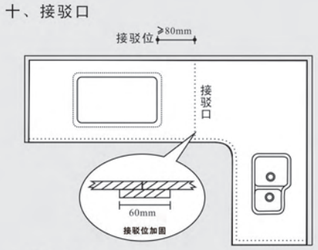
正确方法：
台面挡水于墙两端、柱子接触处不能顶死，要预留伸缩缝。

安装要求：
台面长度小于3m的伸缩缝要预留（3-5）mm，台面长度大于3m的伸缩缝要适当加宽，且伸缩缝要用玻璃胶填好。

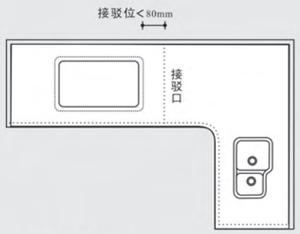


错误方法：
台面挡水与墙两端、柱子的接触处伸缩缝太小，以至顶死。

十、接驳口



正确方法：
接驳口距炉灶孔边沿距离不少于80mm
改进方法：
拼接时用宽60mm的富家石在接驳口下加强。



错误方法：
1、接驳口距炉灶边沿距离少于80mm
2、接口未用酒精或丙酮镪试干净。
3、胶水固化剂加入量太多，凝胶时间未控制在（15-20）min之间。
4、接驳时未回搓动，至使胶水未完全渗透。

富家石实体面材的品质标准
FUJIASHI Quality Specification

类 型	英 文	中 文
Resin 树脂	Solid surface shall be manufactured using unsaturated polyester resin & MMA.	此类人造石板是用专用复合亚克力树脂制造的。
Filler 填充料	ATH must be 7 um or larger.	铝粉直径必须是7um或更大。
Pattern 颜色及图形	Color must match standards approved by the customer. Color of received sheets shall not deviate noticeably (< 1.0 delta E unit) from that standard.	颜色必须与经顾客确认的标准存档案板相一致。售给客户的板不能与该存档案标准板有明显的差距(<1.0 Delta E 单位)。
Finish 表面平滑	Finish on the sheets is visually equivalent to the 320 grit wet finish. The back of the sheet shall be sanded to 80 - 120 grit final finish.	外观平滑度正面看起来应相当于用320目湿磨的一样。背面应当用80-120目砂光效果， 背面由于砂纸磨不到的低洼范围，只容许限定在一个长跟宽都不超过300mm的范围。
Dirt & Contamination 污垢及污点	There shall be no contamination or dirt within the sheets visible to the naked eye from 30-36 inches away at a viewer to specimen angle of sight 45-75 degrees from the horizontal surface, under a fluorescent light source of 800-1100 lux in intensity oriented parallel to the line of sight.. Contamination shall also be defined as different or off color particles, particles above the size distribution required for that pattern which result in a visibly noticeable difference under the viewing conditions mentioned in the previous sentence. Patching to alleviate non-conformance is allowed, as long as it does not interfere or void other requirements stated within this document.	在距离板材500mm，视角为45-75度， 在强度为800-1100lux的平行日光灯下以肉眼观察，板材的可视表面应该没有杂质或污垢。与产品需要的颗粒分布效果有差别的颜色或者大小不对的颗粒都属于杂质。在不影响其他此文件中提到的其他质量问题的情况下，修补是允许的。
Air bubble 气孔	The surface of the sheet shall not exhibit any air bubbles. The back of the sheet shall have not more than 10 per square meter.	板的正面不容许有任何气孔存在。板的背面容许在每平方米内不超过10个直径不大于0.5mm的气孔。
Particles 颗粒	Particle distribution shall be homogeneous and shall not be striated within the thickness, nor banded or clumped across the surface length or width. The appearance shall be homogeneous across the surface and also the thickness.	颗粒应当是均匀的分布，没有条纹细槽在板内，在板的长宽内没有聚集成带状或团状。从表面和侧面来看颗料的分布都是均匀。
Warp 起伏度	Acceptable warp of 1/4” & 1/2” material shall be less than 0.06” (1.5mm) across the width of the sheet (concave or convex), and 0.1” (2.5mm) along the length of the sheet. Pieces cut from the sheet shall not warp more than 0.1” (2.5mm) in any plane. Acceptable warp of 2cm & 3cm material shall be lessthan 0.051” (1.3mm) across the width & the length of the sheet (concave or convex).Pieces cut from the sheet shall not warp more than 0.1” (2.5mm) in any plane.	6mm和12mm板可容许的在宽度上的弯曲量（凹或者凸）是少于1.5mm（0.06”），在长度方向是2.5mm（0.1”）。从原板上切下来的板在任何平面方向内的弯曲量不应超过2.5mm（0.1”）。2公分和3公分厚板可容许在宽度和长度上的弯曲量（凹或者凸）是少于1.3mm（0.051”）。从板上切下来的板在任何平面方向的起伏度不应超过2.5mm(0.1”)。
Labels 标签	Use Fujiashi labels, including the Logo, size, SKU number and the color name.	使用富家石标签，包含商标，尺寸，SKU号码和颜色的名字。
Strapping 打包	All pallets to be strapped using steel or nylon strapping, 3 straps across the width and 1 strap across the length.	所有的货架都用钢带或尼龙带打包，宽度方向打3条，长度方向打1条。
Edge protectors 边角保护	Edge protectors will be “V” guards 90 degree laminated cardboard used to protect the edges of SolidSurface. Edge protectors to be used under all strapping.	用做成V字形呈90度角的薄卡纸来保护人造石的边缘。在所有的包装带下面都要做边角保护。

富家石实体面材的品质标准
Quality Specification

国家化学建筑材料测试中心

CNAS L1049

地址：北京市北三环东路14号北京化工研究院（和平东桥向东150米路南） 邮编：100013
电话：（010）64288747、 64200694、 64224642、 84290301、 59202479
网址：www.plastic-test.net
传真：（010）59202784

检验报告

报告编号：2007(X0501)

序号	检验项目	技术要求	检验结果	单项判定
1	巴氏硬度	PMMA类：≥58	58	合格
2	落球冲击	表面无破裂和碎片（直径38.1mm，0.225kg，610mm）	通过	合格
3	耐污染性	耐污染值总和不超过64，最大污迹深度不大于0.12mm	污染总指数为46通过	合格
4	冲击韧性，kj/m²	≥4	4.8	合格
5	弯曲强度，MP。	≥40	51.0	合格
6	氧指数，%	≥35	43.9	合格
7	耐化学药品性（15种试剂）	试样表面应无明显损伤，轻度损伤用600目砂纸轻擦即可除去，损伤程度应不影响板材的使用性，并已恢复至原状。	通过	合格
8	耐高温性	试样表面无破裂、裂缝或鼓泡等明显影响。表面缺陷易打磨恢复至原状，并不影响板材的使用。	通过	合格
9	耐水性	试样表面无破裂、裂缝、鼓泡、隆隆作响、敲击声变哑或分层。	通过	合格
10	色牢度	老化后不得呈现任何破裂、裂缝、气泡或表面质感变化，与控制样品间的色差不超过2CIE单位。	0.77	合格
结论：所检产品按照JC908-2002“实体面材”进行检验，所检项目检验结果达到标准要求				

主检： 审核： 批准：

10
10 YEAR LIMITED WARRANTY
十年品质保证

产品具有抗菌、无毒、无放射优点，不含铅、锌等对人体健康有危害的重金属物质，可与食品直接接触。
国际实体面材制造协会（ISSFA）权威专家全职的技术指导和监控。
成功实现所有销售产品零投诉。

富家石人造石产品的六大保证
6 Guarantees from Fujiashi®

富家石实体面材(人造石)与其他厂家人造石技术参数对比表
Tech Data Comparison Between Fujiashi® and Other Brands

Technical Data October 2010 Testing for Fujiashi® Solid Surface Products

Property	Result	Testing Laboratory	Test Method
Specific Gravity[1]	1.75 - 1.91 g/cm³	Intertek Plastics Technology Labs	ASTM D 792 Method A
Flexural Strength[1]	37.78 - 47.16 MPa	Intertek Plastics Technology Labs	ASTM D 790
Flexural Modulus[1]	6288 - 12893 MPa	Intertek Plastics Technology Labs	ASTM D 790
Coefficient of Linear Thermal Expansion[1]	(3.19 - 4.59)x 10^{-5} cm/cm/℃	Intertek Plastics Technology Labs	ASTM D 696
Boiling water Resistance	Slight (Gloss change)	Hodges Wood Products Laboratory	NEMA LD3 3.5
High Temperature Resistance	Pass (No Effect at 180° @ 20 minutes)		NEMA LD3 3.6
Impact Resistance- 1/2 pound ball	Pass (> 3000mm No Cracking)		NEMA LD3 3.8
Flame Spread[4]	≤15 (Pass Class A or 1 Requirements)	Hardwood Plywood Veneer Association	ASTM E 84
Smoke Developed	150 (Pass Class A or 1 Requirements)		ASTM E 84
Environmental Chamber (ASTM D 5116) 168 hr Greenguard Model Concentration[2]	Formaldehyde < 0.001 ppm Total VOCs < 0.001 mg/m³ Total aldehydes < 0.001 ppm	Air Quality Sciences	ASTM 5197 ASTM 6196 ASTM 5197
Wear and Cleanability	Pass (0.1% Loss of Reflectance)	NAHB Research Center,	ANSI Z 124.6 5.3
Stain Resistance	Pass (26)		ANSI Z 124.6 5.2
Chemical Resistance	Pass (no effect)		ANSI Z 124.6 5.5
Tensile Strength[1]	28.68 - 32.20 MPa		ASTM D 638
Tensile Modulus[1]	6709 - 10190 MPa		ASTM D 638
Tensile elongation[1]	0.45- 0.51%		ASTM D 638
Hardness (barcol)[1]	63-65		ASTM D 2583
Boiling Water Absorption[1]	0.24 - 0.27%		ASTM D 570
Water Absorption (24 Hr)[1]	0.03 - 0.06%		ASTM D 570
Water Absorption (Long Term)	0.375 - 0.885%		ASTM D 570
Fungal Resistance	Does not support Microbial Growth		ASTM G 21
Cigarette Burn Test	Pass (no effect after cleaning)		ANSI Z 124.6 5.4

Note 1- This range is the result of testing on multiple products and represents the typical minimum and maximum performance for the entire Fujiashi Product Line
Note 2- Results for Formaldehyde, Total VOC, And Total Aldehydes all below quantifiable level (limit of detection)

富家石® 实体面材(人造石) 技术参数(2010年10月于美国检测)

检测项目	检测结果	检测机构	检测方法
密度	1.75 - 1.91 g/cm³	美国 Intertek Plastics Technology Labs	ASTM D 792 Method A
挠曲强度	37.78 - 47.16 MPa	美国 Intertek Plastics Technology Labs	ASTM D 790
挠曲模量	6288 - 12893 MPa	美国 Intertek Plastics Technology Labs	ASTM D 790
热膨胀	(3.19 - 4.59)x 10^{-5} cm/cm/℃	美国 Intertek Plastics Technology Labs	ASTM D 696
表面耐沸水性	轻微 (光泽稍损)	美国 Hodges Wood Products Laboratory	NEMA LD3 3.5
耐高温性	通过(180℃, 20分钟无变化)		NEMA LD3 3.6
1/2 磅落球冲击	通过 (> 3000mm 无开裂)		NEMA LD3 3.8
灼烧火焰范围	≤15 (通过 A 级或 1 级的测验)	美国 HPVA (Hardwood Plywood Veneer Association)	ASTM E 84
灼烧产烟	150 (通过 A 级或 1 级的测验)		ASTM E 84
环保性能 (ASTM D 5116) 168小时 Greenguard方法	甲醛 < 0.001 ppm 总挥发气体 < 0.001 mg/m³ 总乙醛 < 0.001 ppm	美国 Air Quality Sciences	ASTM 5197 ASTM 6196 ASTM 5197
耐磨性	通过 (光泽损失0.1%)	美国 NAHB Research Center	ANSI Z 124.6 5.3
耐污染性	通过 (26)		ANSI Z 124.6 5.2
耐化学性	通过 (无反应)		ANSI Z 124.6 5.5
拉伸强度	28.68 - 32.20 MPa		ASTM D 638
拉伸模量	6709 - 10190 MPa		ASTM D 638
延伸率[1]	0.45- 0.51%		ASTM D 638
巴氏硬度	63-65		ASTM D 2583
吸沸水性	0.24 - 0.27%		ASTM D 570
吸水性 (24 小时)	0.03 - 0.06%		ASTM D 570
吸水性 (长期)	0.375 - 0.885%		ASTM D 570
抗真菌性	不适合微生物生长		ASTM G 21
香烟燃烧测试	通过(清洁后无变化)		ANSI Z 124.6 5.4

ASTM (American Society of Testing and Materials), NEMA (National Electrical Manufacturers Association), ANSI (American National Standards Institute)

◆ 全部测试是经由在美国符合国际ISO 17025 资格及拥有顶尖地位和声望的实验室执行的。

备注 1-用富家石的多种具代表性，包括最浅及最深色泽的产品作测试。

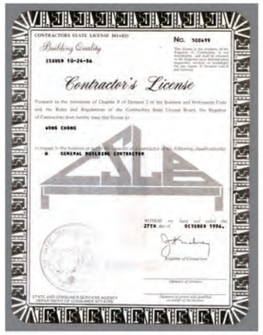
备注 2- 甲醛, 总挥发气体, 总乙醛的检测结果均在可测量范围内

备注3- 如有要求，富家石可提供测试报告复印本。

备注 4-蓄意以最坏环境状况下取得最低的抗火指标。其它的测试得到的火焰扩散指标是相等或优于15.

富家石实体面材荣誉证书

Fujiashi® Certifications



富家石合作伙伴
Fujiashi® Customers

WILSONART INTERNATIONAL

FORMICA® BRAND products

Laminex® Inspire your space

恒大地产集团 EVERGRANDE REAL ESTATE GROUP

PIANO 皮阿诺橱柜

Uhome 厨博士·U家

CACAR 佳居乐 智·尚厨房

YAIE BOLUO 雅科波罗 整体定制家居

万科 让建筑赞美生命

ARTIME 雅泰®厨柜

HOMTOR® 家博士 厨柜/壁柜/浴柜

倍特厨柜 BRILLIANT KITCHEN FURNITURE 成就健康厨房生活

R&F 富力地产 R&F PROPERTIES

雅居樂®

GOLDEN HOME 金牌厨柜

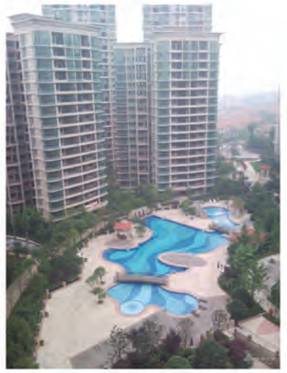
富家石合作伙伴
Fujiashi® Customers

富力半岛

富力中心

东莞星河传说

万科假日风景建筑实景图


雅居乐花园

万科地产

贵阳恒大地产

雅居乐清水湾

上海万科城市花园

- 富家石销售网络覆盖全国各大中心城市
- 富家石与国内外各大品牌公司合作.（具备优秀的工艺流程）
- 富家石专注于各大工程项目