



雷帝国际



美国開睿樹脂公司

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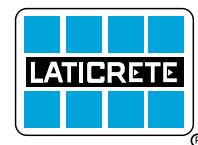
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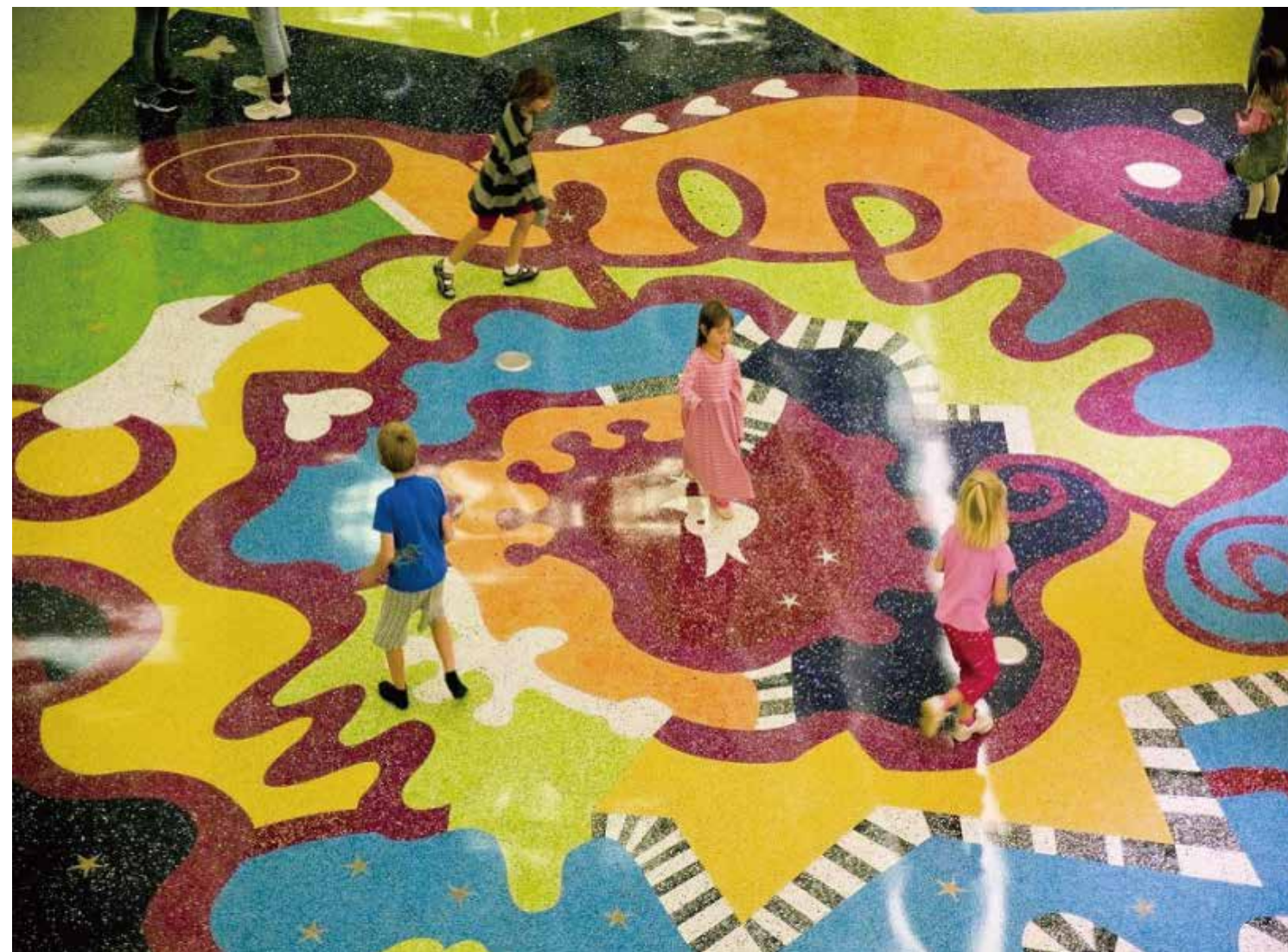
雷帝国际



美国開睿樹脂公司

多古丽™ 艺术地坪

Decogreen™ Decorative Floor



关于雷帝

雷帝（LATICRETE）国际成立于1956年，总部位于美国康涅狄格州，是历史悠久的化学建材专业生产企业，目前在27个国家拥有生产基地。雷帝产品运用于全球众多经典工程，如世界第一高楼迪拜塔、超七星级酒店迪拜帆船酒店、美国纽约世界贸易中心、马来西亚双子星塔、新加坡滨海湾金沙酒店、北京奥运游泳场馆（水立方）、上海环球金融中心、澳门米高梅大酒店、法国金麦穗纪念塔、美国华盛顿地铁等。

雷帝拥有全方位的产品架构，覆盖瓷砖石材安装、填缝、养护、防水、保温、隔音、地暖、地坪、外墙饰面等各个方面。

雷帝中国公司于2007年成立于上海，2008年建成了集生产研发于一体的上海制造中心，2016年建成惠州制造中心，能够研发和生产干粉、乳液、环氧类系列产品，辐射范围覆盖东亚、东北亚及东南亚大部。

通过一系列的并购，雷帝中国形成了完整的地坪产品线，包括水泥基自流平、混凝土抛光系统、高性能聚天门冬氨酸酯地坪系统，旗下拥有DRYTEK、L&M、SPARTACOTE等多个知名品牌。通过和美国開睿公司的战略合作，雷帝中国全面进入环氧磨石领域。

目前，雷帝中国已建立了覆盖全国的销售网络，分别在华北（北京）、华东（上海）、华南（上海）、华南（广州）以及西南（成都）设立了办事处。



About LATICRETE:

Established in 1956, LATICRETE International Inc. is headquartered in Connecticut, USA. LATICRETE is a worldwide manufacturer of chemical building material. Presently, the company operates in 27 countries. LATICRETE products have been used in numerous classical projects worldwide, such as the world’s first high-rise Burj Dubai Tower, the first seven-star hotel Burj Al Arab Hotel, the New York World Trade Center, Malaysia’s Petronas Twins Towers, Marina Bay Sands Singapore, The Beijing National Aquatics Centre (Water Cube), Shanghai World Financial Center, Macao MGM Grand Hotel, French Golden Wheatstoke Tower, and American Washington Metro.

Laticrete has built a comprehensive line of flooring systems through a series of acquisitions, including DRYTEK cement-based self-leveling, L&M polished concrete, SPARTACOTE polyaspartic resinous floor. Through strategic partnership with Key Resin Company, Laticrete has entered into epoxy terrazzo market.

LATICRETE offers complete products range, with products covering the installation, grouting and curing of tiles and stones, and waterproofing, heat insulation, sound isolation and floor warming, flooring and stucco etc.

LATICRETE China was established in Shanghai in 2007 as a fully-owned subsidiary of LATICRETE International Inc. The Production Center of Asia-Pacific Region located in Shanghai Songjiang Industrial Park, in 2008 to build a set of R & D and production in one of the manufacturing center in Shanghai, built in 2016 in Huizhou, with capable of developing and manufacturing dry powder, latex and epoxy series products. This facility also covers East Asia, Northeast Asia and much of Southeast Asia.

Today, LATICRETE China has established a nationwide sales network and has set up offices respectively in North China (Beijing), East China (Shanghai), South China (Guangzhou) and West China (Chengdu).

关于美国開睿树脂公司



美国開睿树脂公司积其几十年的研发，生产和销售经验，在北美环氧磨石地坪行业享有盛誉。北美环氧磨石地坪

的首例工程-芝加哥米高美克展览中心采用的材料就是由開睿树脂公司奠基人，也是原美国通用聚合物公司创立者之一

的罗伯特•凯恩先生领导的团队研发，生产的。1993年以来，開睿树脂公司的多古丽环氧磨石已应用到北美许多人流进出频繁的建筑设施上。2016年開睿树脂公司与雷帝国际合作，由雷帝国际中国公司作为其在中国的独家经销代理，来拓展中国市场。

With our decade’s experiences in research, marketing and sales, Key Resin Company is a well-known supplier in epoxy terrazzo industry in North America. The first installation of poured-in-place epoxy terrazzo in North America was at Chicago McCormick Place. It was developed and produced by a team led by Robert Cain who was co-founder of General Polymers established in 1966, and the founder of Key Resin Company in 1993. Since then, Key Resin Epoxy Terrazzo has been widely utilized in many buildings/facilities in North America where heavy foot traffic takes place on a daily basis. In 2016 Key Resin Company signed an exclusive distribution agreement with Laticrete International-China to grow and service its business in the China market.

什么是多古丽™艺术地坪

Terrazzo （原意为石材打磨）.作为一个行业起源于意大利，以打磨安装在露台的大理石为业，这就是Terrazzo(磨石)得名的由来，发展至今，磨石地坪已有500多年的历史。多古丽™艺术地坪是一种极有装饰性的环氧磨石地坪。它以固含量100%的双组分环氧树脂作粘结剂，以大理石/花岗岩碎石、玻璃、塑料及金属碎块等作为各式不同等级的装饰骨料，经混合、摊铺/镟抹、经固化、打磨及抛光工艺，施工成厚度为6.3-9.5毫米的环氧磨石地坪。

What is Decogreen™ Decorative Floor

Terrazzo started as a trade in Italy where the marble pieces were installed in terraces, thus the name terrazzo as it became known. Terrazzo flooring has been typically installed for over 500 years. Decogreen™ Decorative Floor is a highly decorative epoxy terrazzo flooring system. It uses 100% solids, two-component epoxy resin as a binder, mixed with marble, quartz, granite, glass, plastic, metal or other suitable decorative graded aggregates. It's poured in place, trowel applied, cured, ground and polished to form a smooth uniform surface at a thickness of ¼” – 3/8” (6.3 – 9.5 mm).



多古丽™艺术地坪骨料（部分）

Decogreen™ Decorative Floor Aggregate （Partial）



多古丽™艺术地坪的优势

- 色彩绚丽，图案精美，无限设计选择
- 耐用持久，使用寿命与建筑物相当
- 致密无缝，表面均一
- 易清洁保养，维护费用低
- 零 VOC，使用回收材料，符合绿色建筑LEED认证
- 抑制细菌滋生, 适于生化、医疗卫生设施使用
- 自重轻，低荷载，适合多层建筑



Advantages of Decogreen™ Decorative Floor

- Vibrant colors, exquisite pattern, unsurpassed design flexibility
- Sustainable, service time equivalent to life time of the building
- Seamless, dense, and uniform surface
- Easy to clean, low cost on maintenance
- Zero VOC, use of recycled materials, qualified for LEED credits
- Prohibiting microbial growth, good for healthcare facilities
- Light weight, less load, suitable for multi-story buildings



多古丽™艺术地坪细节展示

Decogreen™ Decorative Floor Details Show



分隔条设置
Strip Setting



踢脚处理
Skirting Line Treatment



踢脚处理
Skirting Line Treatment

不同磨石地面的比较

Comparison of Different Terrazzo Flooring

	Portland Cement & Bonded Terrazzo 水泥基磨石	Polyacrylate Terrazzo 聚丙烯酸酯磨石	Epoxy (Resinous) Matrix Terrazzo 环氧磨石
Min. thickness 最小厚度	2" 50mm	1/2" 12mm	3/8" 9mm
Interior applications 室内应用	Yes 可以	Yes 可以	Yes 可以
Exterior applications 室外应用	Yes 可以	Yes 可以	No 不可以
Affected by moisture vapor transmission 潮气影响	No 无	No 无	Yes 有
Acceptable for use over wood substrate 木板基材	Not Recommended 不推荐	Yes 可以	Yes 可以
Vibrant colors available 鲜艳的颜色	No 否	No 否	Yes 是
Color uniformity 颜色均匀性	Good 好	Good 好	Excellent 极好
Glass chips recommended 玻璃碎片	No 否	Yes 是	Yes 是
Chip size limitations 骨料尺寸限制	No 无	Yes (max. size 2) 有（最大2）	Yes (max. size 2) 有（最大2）
Design flexibility 设计灵活性	Good 好	Very Good 非常好	Excellent 极好
Length of cure time 固化时间	28 days 28天	28 days 28天	2 days 2天

环氧磨石和天然石材的对比

Epoxy Terrazzo vs Natural Stone

项目 Items	环氧磨石 Epoxy Terrazzo	天然石材 Natural Stone
材质 Texture	均一完整，表面致密 Uniform integrity, surface densification	多有微裂纹、暗斑，色差 Micro crazing, dark spot,color difference
色泽 Color and lustre	鲜艳靓丽，色泽持久 Bright beautiful and long lasting color	色彩有限，在使用中易褪色 Limited color ,easy to fade in use
厚度与重量 Thickness & weight	薄（6.3 – 9.5 mm),自重轻，低承载，符合高层建筑物要求 Thin (6.3-9.5mm), light,less,suitable for multi-stroy buildings	厚，重（25 – 30 mm), 是环氧磨石重的4-5倍 Thick, heavyer (25-30mm), 4-5 times of epoxy terrazzo weight
强度&韧性 Strength & toughness	强度高，韧性好 High strength and flexibility	坚硬，但脆性大 Strong, but fragile
接缝 seams	平整无缝，易清洁 Seamless smooth surface, easy to clean	接缝多，易积污渍，滋生细菌 Seams, easy for bacteria growth ,and collecting dirt
吸水率 Water absorption	几乎为零，无水渍 Nearly absorb , no water stains	多毛细孔，易吸水，出现“返碱”、“水斑”现象 Porous,easy to absorb water, efflorescence, water stains
环保 Green	无辐射或化学污染 No radiation or chemical pollution	有些含有一定的“氡气”辐射 Possible “Radon” radiation



多古丽™艺术地坪的性能

Decogreen™ Decorative Floor Performance

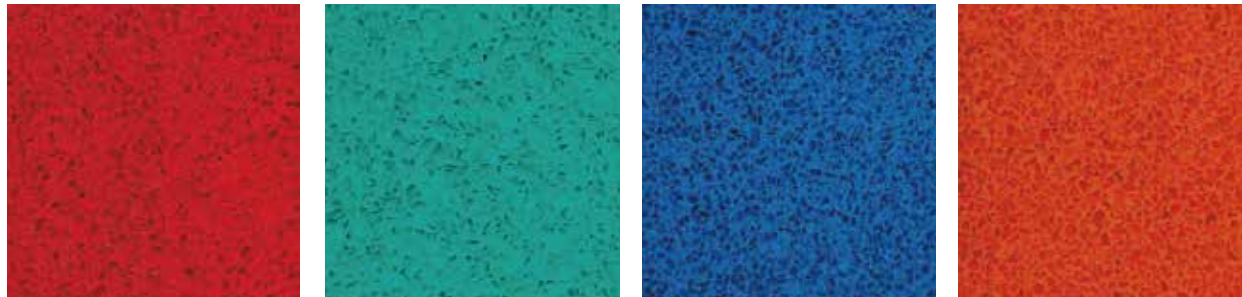
邵氏硬度 Shore Hardness (ASTM D-2240)	80–85
阻燃性 Flammability (ASTM D-635)	自熄
临界辐射通量Critical Radiant Flux (ASTM E-648)	1.0
吸水率 Water Absorption (ASTM D-570)	0.1%
伸长率 Elongation (ASTM D-638)	4 to 8%
耐磨性 Abrasion Resistance (ASTM D-4060)	35mg
粘结强度 Bond Strength (ACI503R)	≥2. 1MPa（100%混凝土破坏）
抗冲击 Impact Resistance (MIL-D-3134J)	能承受16英尺/磅的压力，不开裂
抗压强度 Compressive strength (ASTM C-579)	69. 0 MPa
抗弯强度 Flexural Strength (ASTM C-580)	20. 9 MPa
弯曲模量 Flexural Modulus (ASTM D-790)	2. 3x10 ⁵
抗拉强度 Tensile Strength (ASTM C-307)	17. 2 MPa
霉菌及细菌滋长测试 Fungal and bacterial growth test (MIL-F-52505 4.4.2.11)	不利于霉菌滋生

样板选用 (部分)
Sample Select (Partial)

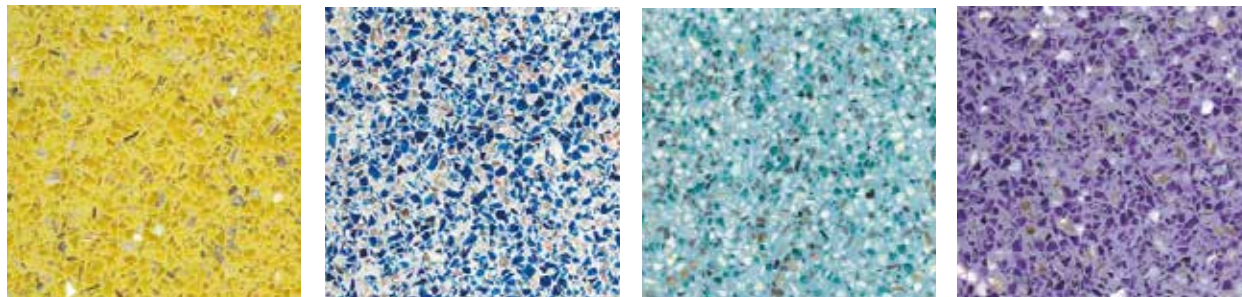
LKS系列



LKC系列



LKP系列



LKG系列



项目案例
Project Reference



成都 大悦城 (2015)
Joy City, Chengdu (2015)



美国科罗拉多州 奥多拉市 菲茨西蒙斯儿童医院 (2008)
Fitzsimmons Children's Hospital in Aurora, CO (2008)



亚利桑那州 凤凰城国际机场(2013)
Phoenix Sky Harbor Int'l Airport, AZ(2013)



汉诺威高中
Hanover High School



堪萨斯城国际机场
Kansas City International Airport



马萨诸塞州 纽伯里波特市 小学(2015)
An Elementary School at Newburyport, MA (2015)



芝加哥哈莱姆高中
Chicago Harlem High School



高中礼堂大厅
Senior High School Hall