

配施易500强力型瓷砖胶粘剂

PCI Pericol 500 PLUS

应用领域

应用领域	适用性
室内	✓
室外	✓ X ₁
墙砖	✓
地砖	✓
用于配施易找平砂浆之上(干式粘贴)	✓
混凝土上	✓
地面抹灰上	✓
墙体抹灰上	✓
石膏纤维板上	✓
用于浴室内配施易2K超能防水浆料之上	✓
用于游泳池配施易2K超能防水浆料之上	✓
立面上	✓
非玻化砖	✓
玻化砖	✓
完全玻化砖	✓
玻璃马赛克	✓
天然石材	✓
依据行业标准JC / T547-2005的分类	C1

注 ✓ : 适合应用; X₁: 对于外墙, 要求瓷砖尺寸 < 200x200mm

产品特征

- 单组分预拌干砂浆, 易于施工。
- 可以承受-30°C到80°C的温度变化, 因而适应范围广。
- 白色胶粘剂, 适合天然石材。

技术数据

材料

- 成分
聚合物改性水泥基瓷砖胶粘剂。

危险性

类型	危险性
运输危险性	无危险性
材料危险性	含有水泥, 具有刺激性

详见健康与安全。

- 储存和保质期: 干燥下储存, 10个月。
- 包装: 25公斤。

施工

- 施工厚度: 2 - 5mm
- 施工温度: 5°C - 40°C。
- 可施工时间: >1小时 (35°C)。
- 加水量:

用量	加水量 (升)
1公斤粉料	0.25 - 0.28
5公斤粉料	1.25 - 1.40
25公斤包装	6.25 - 7.00

检测

拉伸胶粘强度

养护条件	28天拉伸胶粘强度 (MPa)
23°C / 50%相对湿度	>0.5
水中20°C	>0.5
70°C	>0.5
40°C	-
20分钟开放时间	>0.5

Fields of Application

Fields of application	Applicability
Indoor	✓
Outdoor	✓ X ₁
Wall	✓
Floor	✓
On PCI Pericret W+F (cured)	✓
Concrete	✓
Screed	✓
Render	✓
Gypsum fibre board	✓
On PCI Perilastic 2K in bathrooms	✓
On PCI Perilastic 2K in swimming pools	✓
On facade	✓
Non vitrified tiles	✓
Vitrified tiles	✓
Fully vitrified tiles	✓
Glass mosaic	✓
Natural stone	✓
According to CN standard JC / T547-2005	C1

Note ✓ : applicable; X₁: tile size < 200x200mm

Features and Benefits

- Ready blended 1 component dry mixed mortar and easily applied.
- Resistant to temperature from -30°C to 80°C, therefore widely suitable for application.
- White adhesive, suitable for natural stones

Technical Data

Material

- Material base
Polymer modified white cementitious tile adhesive.

Hazard

Type	Hazard
Regulation for hazardous goods on roads	non hazardous
Regulation for hazardous material	irritant, contains cement

For further information refer to Health and Safety.

- Storage and Shelf Life: 10 months if stored in dry conditions.
- Packaging: 25kg.

Application

- Thickness of adhesive bed: 2 - 15 mm
- Working temperature 5°C - 40°C.
- Working time: >1hour at 35°C.
- Gauging water for

Quantity	Gauging water (liter)
1kg powder	0.25 - 0.28
5 kg powder	1.25 - 1.40
25kg bag	6.25 - 7.00

Test

Bonding strength

Curing conditions	28 days bonding strength (Mpa)
23°C / 50%RH	>0.5
water 20°C	>0.5
70°C	>0.5
40°C	-
20min open time	>0.5

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基材处理

- 确保基面平整、洁净、无油污、无粉尘及其它污染物，基材污染会影响产品的粘接性能。
- 配施易500强力型瓷砖胶粘剂的施工至少在墙面抹灰7天后进行或者在使用配施易找平砂浆找平后3天进行。
- 如遇高温干燥天气，应提前湿润墙面并晾干至无明显水。
- 在吸水性很强的水泥类基材上先使用配施易202型界面剂处理。请参考下表。

	可选	必须
强吸水性基面		✓
非吸水性基面	✓	
粉状基面		✓
石膏基面		✓
增加瓷砖胶粘剂开放时间		✓

施工步骤

搅拌

- 按比例将清水倒入洁净的容器中，然后加入配施易瓷砖胶粘剂粉料，搅拌3分钟至均匀膏状。
- 静置3分钟使得添加剂充分溶解，再搅拌30秒即可使用。

粘贴瓷砖

- 使用直边抹刀将砂浆抹到基面上。
- 用齿形抹刀梳理，依据瓷砖大小和胶粘剂类型梳理出2 - 15mm厚的薄层砂浆。将瓷砖揉压在涂有齿形瓷砖粘结剂的基面上，用工具轻轻敲打瓷砖，使其牢固粘在基面上。
- 每次只抹适量砂浆，以便在开放时间内在砂浆层上全部粘贴上瓷砖。当瓷砖胶表面已经干化，不能用水再润湿，这将形成很弱或非粘接的层面。
- 假如是在室外或游泳池粘贴瓷砖，瓷砖背面也应该抹上砂浆(组合法)，以防空鼓现象发生。

填缝

- 配施易窄缝型彩色防霉填缝剂
1 - 6mm填缝
- 配施易宽缝型彩色防霉填缝剂
5 - 20mm 填缝
- 配施易环氧型彩色防霉填缝剂
2 - 20mm 填缝，与化学品接触的瓷砖表面

健康与安全

- **产品有害性代码:** Xi 刺激物。
- **主要有害性成分:** 水泥。
- **危险性:**
 - R 38 对皮肤具有刺激性。
 - R 41 对眼睛具有严重损害性。
- **安全性:**
 - S 2 避免儿童接触。
 - S 24/25 避免进入眼睛。
 - S 26 粉尘进入眼睛时，应用大量的水清洗并尽快就医。
 - S 27/28 皮肤接触后，立即取走所有受污染的衣物，使用香皂和大量水清洗。
 - S 37/39 穿/戴适当的手套、眼罩或面罩。
 - S 46 不小心吞服后，立即就医并把此包装或其标签给医生查看。

Preparation of Substrate

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles and contamination or any trace of foreign materials that will affect the adhesion of PCI Pericol 500.
- Should be applied at least 7 days after the application of render and 3 days after the application of PCI Pericret W+F.
- Before application, dampen the surface with clean water and allow excess to drain away.
- Prime very absorbent cement based substrates with PCI Periprim 202. Please refer to Table below.

	optional	must
Absorbant substrates		✓
Non absorbant substrate	✓	
Mealy substrates		✓
Gypsum substrates		✓
To increase tile adhesive open time		✓

Application Procedure

Mixing

- Place gauging water into a clean container. Add powder and mix the mortar for 3 minutes.
- Let the mixture stand for 3 minutes for the additives to dissolve, and then mix again for 30 s before use.

Tiling

- Apply a thin scratch coat to the substrate using the straight edge of the trowel.
- Comb mortar on the wet scratch coat with the notch edge of the trowel to obtain a suitable thickness about 2 - 15mm according to the tile size, press the tiles firmly onto the sub-base and immediately knock into position.
- Apply only as much mortar as can be covered with tiles during the open time. When the surface of tile adhesive is dried, do not use water to wet on the surface. It will form a very weak and non-adhesive layer.
- If tiles are fixed externally and in swimming pools the tile adhesive have to be applied on the back side of the tile as well (buttering-floating method) to achieve void-free laying.

Grout

- PCI Pericolor
1 - 6mm joint width
- PCI Pericolor XL
5 - 20mm joint width
- PCI Pericolor Epoxy
2 - 20mm joint width, ceramic coverings exposed to chemicals

Health and Safety

- **Code letter and hazard designation of product:** Xi Irritant.
- **Hazard - determining components of labelling:** Cement.
- **Risk phrases:**
 - R 38 Irritating to skin.
 - R 41 Risk of serious damage to eyes.
- **Safety phrases**
 - S 2 Keep out of reach to children.
 - S 24/25 Avoid contact with skin and eyes.
 - S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S 27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
 - S 37/39 Wear suitable gloves and eye/face protection.
 - S 46 If swallowed, seek medical advice immediately and show this container or label.