



**PERFLEX TILE GROUTING SYSTEM**

[www.ceramic-tilegrout.com](http://www.ceramic-tilegrout.com)

## POYASPARTIC TILE GROUT P-30

### PRODUCT INTRODUCTION

Perflex Polyaspartic Tile Grout P-30 is a two-component polyaspartic joint grout, made of high-tech polymer polyaspartic, isocyanate hardener, high-grade pigments and additives. It is a semi-fluid liquid, packed into two-component plastic cartridge packaging, it can easily operate by automatic caulking gun. It's 100% solid content, zero VOC, non-toxic materials that can be cured under low temperature above -25°C.

### FEATURE

Polyaspartic Tile Grout P-30 is super weather resistance, the grout will not be yellowing and chalking at outdoor. It has high bonding strength, excellent physical properties such as non-sagging, tear/scratch/wear resistance. After curing, it is super anti-mildew, anti-bacterial, stain resistance, waterproof, moisture-proof, colorful, durable, smooth as porcelain, hard as diamond, bright as crystal, easy to clean, etc. The construction is very simple and convenient.

### APPLICATION

Perflex Polyaspartic Tile Grout P-30 is suitable for bonding, filling and beautifying the joint of ceramic tile, marble and stone building materials such as ceramic tile floor, ceramic tile wall, washbasin, bathtub, toilet, kitchen table, door-crossing stone, etc. Especially P-30 is the best choice for balcony, roof, etc outdoor grouting.

### MECHANICAL PROPERTY

Testing Item	Resin A	Hardener B
Appearance	Thixotropic paste	Semi-fluid liquid
Blend Ratio (by volume)	A : B = 1 : 1	
Odor Grade	≤2	
Chromatic Aberration ΔE	≤1.5	
Working time (25°C*min)	20 ± 5 min	
Original Curing	25°C*4h±1	
Hardness (Shore D) ≥	72	
Colloidal fluidity after blending	Thixotropic fluid	
Adhesion(Pull off test)(7d)	6MPa	
Abrasion Resistance(1000g/500r)	6mg	
Sagging after blending?	No sagging	
Tensile Shear Strength/MPa	Standard condition	≥5.0
	High/low temperature switch.	≥3.0
Water absorbent 25°C24 hour (%)	< 0.2	
Yellowing Resistance(168h)/	ΔE* =0.4	
Waterproof / 24h	No change	
Chemical Resistance / 2h	No change	
Stain Resistance (Vinegar, soy, oil)/ 1h	No change	
Testing condition: 21-25°C,relative humidity 45-55%. Constructed by caulking gun.		



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### CONSTRUCTION METHOD

- 1-Clean the dirt on the ceramic surface, and remove the dust and glue residue from joints, as well as any items such as plastic spacers.
- 2-Stick masking tape on both sides of the joints before use, or apply oily wax on both sides of the tile gap.
- 3-Unscrew the tube cap, install the nozzle, and cut the nozzle into the required size according to the size of the joint, preferably 1mm larger than the joint. And install the cartridge tube inside the gun.
- 4-Discard the first 20-30cm of the grout to ensure the material is well mixed.
- 5-Use a caulking gun to evenly into the tile joints, first horizontally and then vertically.
- 6-Use a pressing plate to finish the grout according to the required size.
- 7-Wait two to four hours at 25-35°C ambient temperature for curing and drying. Then use a scraper to remove excess grout.

### PACKAGE

400ml per plastic cartridge, 28 cartridges per carton.

### SHELF LIFE

18 months if the product is stored in a dry and cool place away from light.

### CAUTIONS

- 1-Due to the fast curing speed of polyaspartic material, the grouting and pressing process should be completed within 30 minutes.
- 2-It's recommended to shovel off the residue grout within 2-3 hours in summer, 4-6 hours in winter.
- 3-Impurities, dust, grease, clear water and other substances shall not be allowed during construction.
- 4-Do not touch or trample until the sealant is completely cured.

### STATEMENT

As the conditions and methods of use are beyond our control, users have to decide their own applicability and the most appropriate use of the product, we only guarantee whether the product meets the relevant standards.