

ASP520 POLYASPARTIC QUARTZ COATING

Product Introduction

Self-leveling polyaspartic quartz flooring ASP520 is a seamless, integrated new composite decorative flooring system made of colored quartz and polyaspartic resin. By freely combining one or more different colors of quartz, it creates a rich variety of decorative colors and patterns with an elegant texture. It offers excellent properties such as UV stable, wear resistance, compressive strength, chemical resistance, slip resistance, fire resistance, and waterproofing. The polyaspartic color quartz decorative flooring provides stable and reliable performance with enhanced aesthetics, making it suitable for a wide range of applications, including industrial floors, commercial spaces, and residential buildings.

Product Features

- Quartz Pre-mixed and colored, easy construction.
- Super weather resistance, UV stable, non-discoloring and yellowing.
- Colors can be freely customized, offering vibrant hues and excellent decorative effects.
- It has natural stone texture and various colors for option.
- Outstanding wear resistance, acid and alkali resistance, and inhibition of mold and bacteria growth.
- Non toxic, eco-friendly, low VOC.

Application

It is especially ideal for airports, large shopping malls, exhibition halls, subways, electronics and telecommunications facilities, healthcare environments, high-end entertainment venues, high-rise buildings, food production areas, offices, school laboratories, hotels, office buildings, various exhibition halls, and other places that prioritize cleanliness and durability.

Physical Properties

Hardness/Shore D（7 days)	≥80
Adhesion	≥2Mpa
Wear resistance（750 g/500r）	≤0.03g
Impact resistance	≥60Mpa
Electrical strength	20Mv/m
Surface drying(25℃)	≤4h
Drying time(25℃)	≤24h

Application time

Temperature（℃）	20	25	30
Pot life (mins)	30	25	20

Storage Condition

Storage time: Part A： 1 year

Part B: 1 year

Storage temperature: 0℃ -30℃

Storage: Seal and store in a cool, ventilated place; keep fireproof, moisture-proof, and protected from sunlight.

PERFLEX NOVEL MATERIALS
Distributed in Australia by Synergy Building Supplies.
236 Planet Street, Welshpool WA 6106, Australia
1300 655 853

POLYASPARTIC COATING PIONEER



Package Specification

- Part A: 3 /6/ 15kg Part B: 1/5 kg

Mix Ratio(by weight): A : B = 3 : 1

Construction Specification & Measures

1- Substrate Preparation

The fundamental step in substrate preparation is surface grinding. This process creates a uniformly rough surface, allowing the self-leveling color quartz primer to fully penetrate and form a strong mechanical bond with the substrate, enhancing coating adhesion. In addition to grinding, issues such as dusting, hollowing, delamination, and oil contamination must be addressed to ensure a clean, solid, and dust-free surface for the self-leveling color quartz flooring application.

2- Primer Application

Apply one to two coats of sealing primer using brushing, rolling, or spraying techniques. The interval between two coats should be within 8 hours. For old floors, an additional primer coat is recommended. Ensure an even application to prevent missed spots.

3- Intermediate Coating

The primed substrate may not always be uniformly smooth and may have fine pores or cracks. To achieve a smooth and glossy surface, an additional leveling layer, known as the intermediate coating, is required. The intermediate coat includes a mortar layer and a putty layer, primarily for leveling and hardening. However, if the substrate is in good condition, the application of an intermediate mortar layer can be omitted.

4- Topcoat Application

Thoroughly mix the self-leveling color quartz topcoat by the right ratio before application. Pour the mixed material at the designated starting point and spread it evenly using a trowel, beginning from the corners. While troweling, apply firm pressure and maintain a specific angle between the trowel and the floor to achieve a uniform application. To ensure a smooth transition between adjacent sections, continuously trowel back and forth. Uniform pressure is crucial to avoid seams or tool marks.

5- Defoaming

Since self-leveling polyaspartic quartz flooring is a thick-film coating system, an additional step is required after the topcoat application. Use a spiked roller to roll over the surface to eliminate trapped air bubbles and aid in the leveling process, ensuring the floor's overall smoothness and uniformity.

Statement

The information provided in this product insert is based entirely on the knowledge we gain in the laboratory and practice. However, since the use of products is usually outside our control, we only guarantee the quality of the product itself. We reserve the right to amend the specification without prior notice.

PERFLEX NOVEL MATERIALS
Distributed in Australia by Synergy Building Supplies.
236 Planet Street, Welshpool WA 6106, Australia
1300 655 853

POLYASPARTIC
COATING PIONEER