



EPOXY FLOORING CATALOGUE



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Epoxy Floor Paint: A Comprehensive Guide

Epoxy Floor Paint: The Basics

Epoxy floor paint is a two-part coating system that consists of resin and hardener. The two components are mixed together to create a chemical reaction that forms a durable and tough finish. Epoxy floor paint is widely used in commercial and industrial settings due to its high resistance to chemicals, abrasions, and impacts.



Epoxy Floor Paint and the Environment

Epoxy floor paint is an eco-friendly option when it comes to floor coatings.

Here are some reasons why:



1. Low VOC

Epoxy floor paint has a low volatile organic compound (VOC) content, which means it emits fewer harmful chemicals into the air. This makes it a safer option for indoor use, especially in commercial and industrial settings.

2. Durability

Epoxy floor paint is a durable coating that lasts for years, reducing the need for frequent floor renovations. This translates into less waste and fewer resources used to manufacture new coatings.

3. Easy to Maintain

Epoxy floor paint is easy to clean and maintain, reducing the need for harsh chemicals and cleaning agents. This makes it an environmentally friendly option for facilities looking to reduce their carbon footprint.

4. Reflective Properties

Epoxy floor paint has reflective properties that can help reduce energy costs by reflecting light and reducing the need for artificial lighting. This is especially beneficial in commercial and industrial settings where energy costs can be high.



A Step-by-Step Guide to Applying Epoxy Floor Paint

Epoxy floor paint is a popular choice for industrial, commercial, and residential spaces due to its durability and versatility. Here is a step-by-step guide on how to apply epoxy floor paint:

Step 1: Prepare the Surface

The first step in applying epoxy floor paint is to prepare the surface. This involves removing any dirt, dust, or debris from the surface using a broom, vacuum, or pressure washer. Any cracks or holes in the surface should be repaired with a suitable filler.

Step 2: Etch the Surface

The next step is to etch the surface with an acid solution to create a rough surface that the epoxy can adhere to. This step is essential for ensuring proper adhesion and should not be skipped.

Step 3: Apply the Primer

Once the surface is prepared, the primer can be applied. The primer serves as a base coat for the epoxy and helps ensure proper adhesion. The primer should be allowed to dry completely before proceeding to the next step.

Step 4: Mix the Epoxy

Mix the epoxy according to the manufacturer's instructions. This typically involves mixing the two components together until they are thoroughly combined.

Step 5: Apply the Epoxy

Using a roller or brush, apply the epoxy to the surface in a thin, even coat. It is important to work quickly as the epoxy begins to set within a few minutes. For larger areas, an epoxy sprayer can be used to apply the epoxy quickly and evenly.

Step 6: Add Non-Slip Additives (Optional)

If the surface is likely to be wet or slippery, non-slip additives can be added to the epoxy to increase traction. These additives are typically mixed into the epoxy before it is applied.

Step 7: Allow the Epoxy to Cure

Allow the epoxy to cure according to the manufacturer's instructions. This typically involves waiting at least 24 hours before allowing foot or vehicle traffic on the surface.

Step 8: Apply a Second Coat (Optional)

For maximum durability, a second coat of epoxy can be applied once the first coat has dried. This step is optional but recommended for high-traffic areas.

Exploring Color Chart Choices for Epoxy Floor Paint

Epoxy floor paint is a popular choice for industrial, commercial, and residential spaces due to its durability and versatility. One of the benefits of using epoxy floor paint is the ability to choose from a wide variety of colors to suit your aesthetic preferences and needs.

Here are some of the most popular color chart choices for epoxy floor paint:

RAL Classic Color Chart



<https://www.ralcolor.com>

Federal Standard Color



<https://www.federalstandardcolor.com>

Metallic Epoxy Floor Paint

Metallic epoxy floor paint is a unique and eye-catching option that features a metallic finish that resembles polished concrete. This type of epoxy floor paint is made by adding metallic pigments to the epoxy, creating a shimmering, multidimensional effect. Popular color choices for metallic epoxy floor paint include silver, copper, bronze, and gold.



Flake Epoxy Floor Paint

Flake epoxy floor paint is another popular choice that features decorative flakes or chips added to the epoxy to create a unique pattern or design. This type of epoxy floor paint comes in a wide range of colors and allows for endless design possibilities. Popular color choices for flake epoxy floor paint include blue, green, red, and yellow.



Epoxy Sealing Primer

Epoxy sealing primer is a type of coating that is used to seal porous surfaces and create a barrier between the substrate and subsequent layers of coating. It is a two-part system consisting of an epoxy resin and a hardener, which are mixed together prior to application.



Advantages

Epoxy sealing primer is a high-performance coating that offers:

- ✓ Superior adhesion
- ✓ Corrosion resistance
- ✓ Chemical resistance
- ✓ Durability
- ✓ Versatility

It is an excellent choice for anyone looking to achieve a long-lasting and durable finish on their surfaces. If you're considering a primer for your next project, epoxy sealing primer is an excellent option to consider.

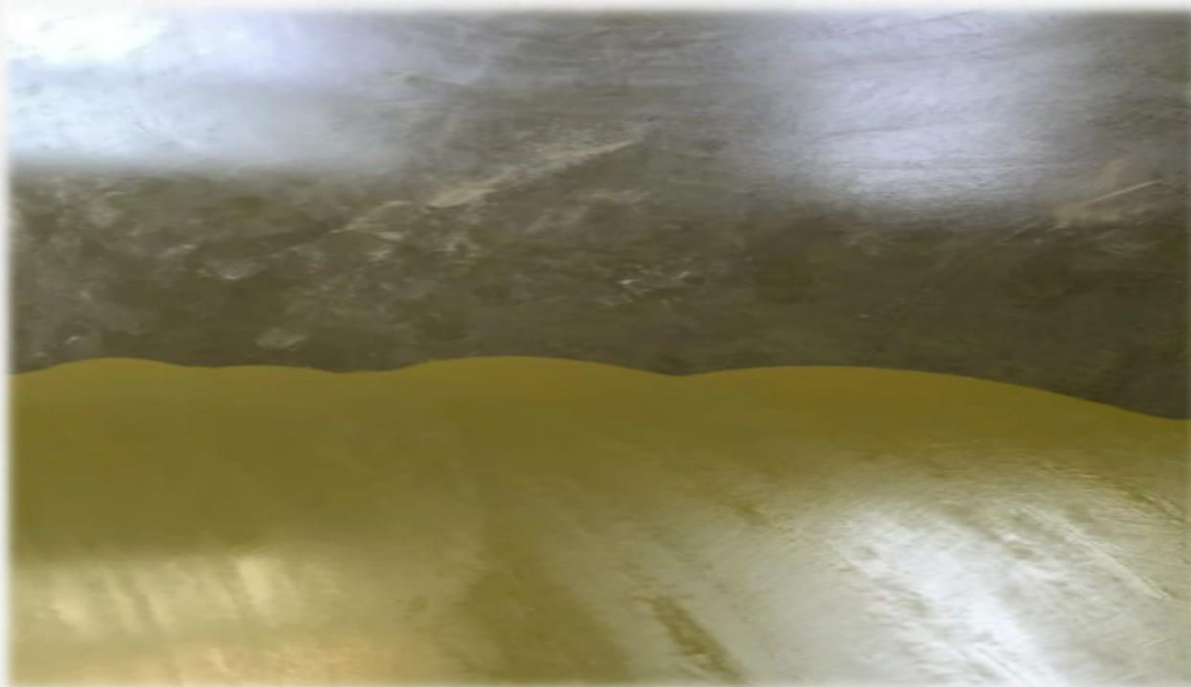
Typical Use

Epoxy sealing primer is commonly used in a variety of applications, including:

- ◆ Metal structures, such as bridges, pipelines, and storage tanks
- ◆ Concrete floors, walls, and surfaces
- ◆ Automotive and aerospace industries
- ◆ Marine environments
- ◆ Industrial facilities, such as laboratories and chemical processing plants

Epoxy Putty

Epoxy putty is a two-part adhesive made up of a resin and hardener that, when mixed together, creates a strong and durable bond. It is commonly used in a wide range of applications, including automotive repairs, plumbing, and construction.



Advantages

There are many advantages to using epoxy putty for your bonding needs. Some of these advantages include:

- ✓ Strong and durable bond
- ✓ Can be used on a wide range of materials
- ✓ Can withstand a wide range of stresses and strains
- ✓ Easy to use and apply
- ✓ Can be sanded, drilled, and painted once cured
- ✓ Resistant to water, chemicals, and heat

Typical Use

Epoxy putty is a versatile adhesive that can be used to bond many different materials, including:

- ◆ Metal
- ◆ Plastic
- ◆ Wood
- ◆ Ceramics

To use epoxy putty, the resin and hardener are mixed together in equal parts, forming a putty-like consistency that can be applied to the surface that needs to be bonded.

Epoxy Floor Paint

Epoxy floor paint is a type of coating that is used to protect and enhance concrete floors. It is a two-part system that consists of a resin and a hardener, which are mixed together to form a durable, high-performance coating.



Advantages

There are many advantages to using epoxy floor paint on concrete floors. Some of these advantages include:

- ✓ Provides a durable and long-lasting coating that protects the concrete floor from damage
- ✓ Creates a high-gloss finish that enhances the appearance of the concrete floor
- ✓ Resistant to chemicals, abrasions, and impacts
- ✓ Easy to clean and maintain
- ✓ Can be used in a wide range of applications, from residential to industrial

Typical Use

Residential Applications:

- ◆ Garage floors
- ◆ Basements
- ◆ Laundry rooms

Commercial Applications:

- ◆ Warehouses
- ◆ Factories
- ◆ Laboratories

Institutional Applications:

- ◆ Schools and universities
- ◆ Hospitals
- ◆ Gyms and fitness centers

Decorative Applications:

- ◆ Retail stores and restaurants
- ◆ Residential homes

Epoxy Self-leveling Floor Paint

Epoxy Self-leveling floor paint is composed of two parts: the resin and the hardener. When the two parts are mixed together, a chemical reaction occurs that causes the mixture to harden and cure. Self-leveling epoxy floor paint typically has a thinner consistency than other types of epoxy floor coatings, which allows it to flow more easily and create a smooth surface.



Advantages

- ✓ **Seamless finish:** Self-leveling epoxy floor paint creates a completely seamless finish, which means there are no ridges or bumps that could trap dirt or bacteria.
- ✓ **High-gloss appearance:** The high-gloss finish of self-leveling epoxy floor paint creates a sleek and modern look that is popular in commercial and industrial settings.
- ✓ **Easy to clean:** The smooth surface of self-leveling epoxy floor paint makes it easy to clean and maintain, as dirt and debris can be easily swept or mopped away.

Typical Use

Self-leveling epoxy floor paint is commonly used in commercial and industrial settings, such as:

- ◆ Warehouses
- ◆ Factories
- ◆ Laboratories
- ◆ Hospitals
- ◆ Retail stores
- ◆ Showrooms

3D Self-leveling Epoxy Floor Paint

3D self-leveling epoxy floor paint is a specialized type of self-leveling epoxy coating that creates a unique, three-dimensional effect on floors. This type of epoxy floor paint is becoming increasingly popular in commercial and residential settings because of its stunning visual appeal.



Advantages

- ✓ **Unique visual appeal:** The three-dimensional effect created by 3D self-leveling epoxy floor paint is stunning and adds a unique visual appeal to any space.
- ✓ **Easy to clean:** The smooth surface of 3D self-leveling epoxy floor paint makes it easy to clean and maintain, as dirt and debris can be easily swept or mopped away.
- ✓ **Durable:** 3D self-leveling epoxy floor paint is extremely durable and resistant to chemicals, abrasions, and impact.

Typical Use

3D self-leveling epoxy floor paint is commonly used in commercial and residential settings, such as:

- ◆ Restaurants
- ◆ Nightclubs
- ◆ Hotels
- ◆ Homes
- ◆ Offices
- ◆ Retail stores

Metallic Self-leveling Epoxy Floor Paint

Metallic self-leveling epoxy floor paint is a type of coating that is applied to concrete floors to create a shiny, durable, and decorative surface. This type of epoxy paint contains metallic pigments or flakes that give the surface a unique and attractive appearance.



Advantages

- ✓ Durability
- ✓ Aesthetics
- ✓ Easy Maintenance
- ✓ Cost-Effective
- ✓ Slip-Resistance
- ✓ Quick Installation

Typical Use

- ◆ Restaurants
- ◆ Nightclubs
- ◆ Hotels
- ◆ Homes
- ◆ Offices
- ◆ Retail stores

- [Epoxy Primer System](#)



<i>S.NO</i>	<i>Parameters</i>	<i>Our Specification</i>
A. Part A (Resin)		
1	Compatibility	Compatible to industrial concrete flooring system
2	Color	Liquid, Brownish
B. Part B (Hardner)		
3	Compatibility	Compatible to Part A Resin
4	Color	Liquid, Brown
C. After Mixing		
5	Mixing Ratio	18:9
6	Compressive Strength	50 N/mm ²
7	Flexural Strength	30 N/mm ²
8	Adhesion	1.5 N/mm ²
D. Additional		
9	Application	For priming & sealer application for concrete floor
10	Feature	Good penetration, Excellent bond strength, short setting time
11	Shelf Life	12 month

- Epoxy Basecoat System



S.NO	Parameters	Specification
A. Part A (Resin)		
1	Color	Transparent Clear/ Color Liquid (Color as per request)
B. Part B (Hardner)		
2	Color	Transparent Clear
C. After Mixing		
3	Mixing Ratio	20:5
4	Compressive Strength	44 N/mm ²
5	Flexural Strength	25 N/mm ²
6	Abrasion Resistance	100 mg
7	Adhesion	1.5 N/mm ²
8	Hardness	75 Shore D
D. Additional		
9	Application	For Base Coat application in industrial flooring system
10	Feature	Solvent free clear, excellent scratch resistance, Stain & chemical resistance, High gloss, Fast Cure, Compatible with color pigment system
11	Shelf Life	12 month

- Color Pigment Paste



S.NO	Parameters	Specification
1	Compatibility	Compatible to Epoxy Base Coat & Top Coat System for industrial flooring application
2	Color & Color Code	Window Gray RAL 7040
3	Feature	Solvent free, high color strength & stability
4	Shelf Life	12 Month

- Epoxy Top Coat System



S.NO	Parameters	Specification
A. Part A (Resin)		
1	Color	Transparent /Clear
B. Part B (Hardner)		
2	Color	Transparent /Clear
C. After Mixing		
3	Mixing Ratio	20:5
4	Compressive Strength	60 N/mm ²
5	Flexural Strength	30 N/mm ²
6	Tensile Strength	20 N/mm ²
7	Abrasion Resistance	60 mg
8	Adhesion	1.5 N/mm ²
9	Hardness	80 Shore D
D. Additional		
10	Application	Heavy Duty Industrial Floor with Epoxy Base Coat
11	Feature	Non-Toxic, Excellent self-levelling properties High mechanical properties, Good chemical resistance, Hight durability Coloured & Excellent gloss, Solvent free Easily Cleanable, and water proof
12	Shelf Life	12 month

- Quartz Sand



<i>S.NO</i>	<i>Parameters</i>	<i>Specification</i>
1	Compatibility	Compatible to Epoxy Primer System
2	Color & Type	White & Dry
3	Size	0.8 mm
4	Shelf Life	12 month

- Silica Powder



<i>S.NO</i>	<i>Parameters</i>	<i>Specification</i>
1	Compatibility	Compatible to Epoxy Top Coat System
2	Color & Type	White & Dry
3	Mesh Size	1250
4	Shelf Life	12 month



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