

DATA SHEET

Acid Stain

Description

Harmony Acid Stain is a range of concentrated acid colorants for concrete, which react with the concrete by in- depth penetration to produce rich and vibrant colours which are reminiscent of natural mineral shades.

This product remains stable over time, providing many years of resistance to sunlight, and can be applied to any clean and dry Portland cement base surface (concrete, screed, levelling compound, etc.).

Characteristics

Type: Acid-based concrete colorants

Colours: 6

Odeur: sharp

pH: 0.5-1

Packaging: 1 l, 5 l, 20 l

Dosage: 1 litre = 8 / 10 m² undiluted and subject to surface porosity.

Storage: 12 months in unopened original packaging, stored in a dry and frost-free location.

Guarantee: Manufacturer's liability

Tools & Cleaning

Viton seal sprayer, mask, gloves and goggles, tarpaulin, long-handled scrubbing brush.

Clean tools in water after use.

Prepare the support

Concretes and screeds must be at least 14 days old.

Before starting, make sure that no protective agents such as varnishes or hardeners prevent the ingress of water. To find out apply a small amount of water on to the surface. If absorbed quickly, the surface is porous and can be stained with dye acid; when the water bubbles, the surface is not porous and something prevents water from entering.

At this stage of the process it is important to know what kind of product has been used. If the

surface is protected by acrylic or concrete wax, we recommend the use of our paint remover or cleaning agent.

Prepare the surface using Harmony Preparatory agent.

Application Harmony Preparatory agent

Application must be completed within a temperature range of 10 ° - 25 °.

Dosage: 1 l / 10 m².

Use Harmony Preparatory agent undiluted.

2. It is essential that a protective mask and gloves should be worn during application.
3. The acid colorant cannot be walked on after application, unless studded boots are worn. It is recommended that protective overshoes should be worn, in order to avoid leaving any tread marks.
4. Allow the product to work for a few minutes, then rinse with a pH neutral cleaner or Harmony Neutral Cleaner.
5. Allow to dry for at least 24 hours or more, depending on the weather conditions, before applying Acid Stain.

Application of Acid Stain

After preparing the surface using Harmony Preparatory agent, protect all surfaces which are not to be coloured using a tarpaulin.

1st coat

Hold the PermaPro sprayer 30-60 cm above the concrete surface to be coloured. Lightly spray 1m² of surface area with Harmony Acid Stain, using a Viton seal sprayer, then brush the surface using a long-handled broom or nylon brush to ensure that the acid penetrates the surface. Allow to dry for 2 - 4 hours. There is no need to rinse the concrete floor after the application of the first coat before applying the second coat. However, you may wish to rinse a small concealed section, in order to check that you are satisfied with the colour.

2nd coat

Once dry, spray the surface a second time, avoiding the formation of pools.

Apply in the same way as the 1st coat BUT in the opposite direction. If you have worked from north to south, you will need to work from east to west for the 2nd application.

Bubbles may appear during application, indicating that the acid is reacting.

Wait for 2 - 4 hours after the 2nd application before commencing the neutralization process.

Neutralisation

When Acid Stain is completely dry, remove all residue with a mop.

Then spray the surface with the Harmony Neutralizer.

Brush the surface with a broom and let the neutralizer work for 5 minutes.

Then rinse thoroughly with clear water.

If necessary, repeat the process several times until the desired result is achieved.

Protection

Let it dry for 72 hours.

Apply a varnish to enhance the colours and effects. Use our Wet-Varnish or SL Permapro.

For more information see data sheet Harmony Varnish.



Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

The information included in this data sheet is derived from our knowledge and experience of products. In the light of the wide range of potential uses and forms of application, together with constraints associated with conditions of application or subjective conditions, the data contained herein are provided for information only, and have no legal value. Before any application, it should be checked that the present data sheet has not been superseded by a subsequent version. Version of 16/10/2018. www.harmony-beton.com

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