



## **SPIRIT PHOSPHORIC ACID CLEANER**

### **Technical Data Sheet**

#### **Product Description**

A food grade mineral acid cleaner designed to remove grout residue for newly tiled surfaces. **Spirit Phosphoric Acid** is very effective at removing rust, light efflorescence & hard water deposits.

#### **Features + Benefits**

- Highly concentrated with added detergents
- Breaks down grout haze and mortar residue
- Made from safe food grade acids
- Safer than hydrochloric acid, no fumes

#### **Where to use**

- Some natural stone surfaces such as granite, basalt & sandstone
- Terracotta, tessellated tiles
- Ceramic tiles, porcelain & grout joints
- Clay bricks & pavers

#### **Available sizes**

1L, 4L & 15L Drum

**CLEANER & SEALERS FOR THE TILING INDUSTRY**



## CLEANING WITH PHOSPHORIC ACID

**Before commencing cleaning, it is a requirement to test first before use.**

### Surface preparation

1. Sweep or vacuum the area to be cleaned to remove any loose debris.
2. Protect carpet and household items if using indoors. If possible, remove or protect outdoor furniture to prevent contact with the cleaner.



### Testing instructions

Test first in an inconspicuous area to ensure competence and satisfaction. Follow the how to use guide below.

**Note:** The testing phase is extremely important as it allows you to determine if you are satisfied with the results, while also allowing you to familiarize yourself with how the product works.

### How to use

1. For general cleaning, dilute at 10 parts clean water to 1 part **Spirit Phosphoric Acid**. A stronger solution can be used, but keep in mind that all acids clean by etching. A dilution of 4 parts water to 1 part **Spirit Phosphoric Acid** is capable of damaging grout joints.
2. Pre-wet the area first and then spread the solution over the area to be cleaned and allow the product to stand for at least 1-2 minutes only before scrubbing.
3. Agitate the area with a nylon scouring pad (a **Spirit Doodle Bug** is ideal.) It is recommended to use a firm bristled nylon or natural brush to get into the grout joints. Do not let the solution dry, add more if it starts to dry out.
4. Remove the dirty water with a dense mop, or if available, the best method is to use a wet vac.
5. Allow the area to dry completely to see the results. If there is no difference, you may need to use another type of cleaner to get the job done, in that case, contact Spirit Sealers for advice before trying anything else.
6. Rinse the treated area thoroughly with **Spirit Neutral Cleaner** at a dilution rate of 10 parts clean water to 1 part **Spirit Neutral Cleaner** to help neutralise any residual acidity, and allow the area to dry completely before sealing is done.

### Precautions

1. **DO NOT** mix **Spirit Phosphoric Acid** with any other cleaners, especially ammonia-based products, as harmful fumes may result.
2. All surrounding areas that are not intended to be cleaned must be protected from contact with the cleaner. Keep away from carpets, timber and treated metal surfaces.
3. Appropriate gloves, goggles and long-sleeved shirt must be worn during application.
4. Wash hands with soap and water after use to remove any residue that may be on the skin.
5. In the event of an unwanted spill, wipe up immediately with a clean cloth and rinse with water.
6. **DO NOT** use **Spirit Phosphoric Acid Cleaner** on calcium based natural stones such as, marble, travertine or limestone. Do not use on terrazzo.
7. Regardless of the surface to be cleaned, conduct a test first.

**Coverage** Depends on the porosity of the surface, temperature and method of application.

1 litre of **Spirit Phosphoric Acid** will clean approximately 10-50m<sup>2</sup>.

Clean up tools after application with water.

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