# Power Screed HC

## High-Performance Epoxy Mortar for Concentrated Acids, Alkalis, and Chemicals

### Description: -

**A non-shrinking, high-performance epoxy finishing mortar with exceptional resistance to concentrated acids, alkalis, and chemicals, as well as to heavy mechanical loads. It consists of three components based on solvent-free epoxy resin and specially selected hardeners.**

### Usage: -

**Versatile for various uses and maintenance works such as:**

- **Acid-, alkali-, and abrasion-resistant floor layers in industrial facilities like factories and warehouses.**
- **Floors and walls of chemical plants, textile factories, workshops, and aircraft hangars.**
- **Filling of joints in floors and tiles that must resist chemicals and mechanical loads.**
- **Flooring for acid and chemical tanks.**
- **Heavy-duty service floors.**
- **Floors for road infrastructure, bridges, and sewage treatment plants.**

## Advantages: -

- High tensile and stress resistance.
- Slip- and shock-resistant with high hardness after curing.
- Excellent load-bearing capacity for mechanical stresses.
- Superior resistance to high-concentration acids, alkalis, and chemicals.
- Strong adhesion to concrete, metal, various types of bricks, and tiles.
- Suitable for use on primer-coated concrete surfaces.
- High resistance to abrasion, wear, and harsh weather conditions.
- Easy to apply using a trowel or putty knife.

## Characteristics: At 25°

| | |
|---|---|
| color | Red / Customized |
| Solid content ratio by weight A to B. | 100 % |
| Density kg/liter | 1.9 $\pm$ 0.05 kg / L |
| Mixing ratio by weight A to B. | 3 : 1 : 10 |
| Pot life | 30 minutes |
| Initial setting time | Average 7 hours |
| Recoating time | 24 hours |
| Full hardness | 7 days |
| Rate of use (Theoretical) | 11 : 18 kg / $m^2$ (4 : 8 mm thickness) |

## Application instructions: -

Note: New Concrete should be at least 28 days old and surface moisture should be less than 4%.

- Clean the surface thoroughly from dust, oils, greases, and loose particles.

- Apply a priming coat using Power Poxy Primer to concrete, cement, or wood surfaces.
- Apply the mortar while the primer layer is still tacky.

## Mixing and Application:

- Stir component [A], then add all of component [B] and mix thoroughly with a slow-speed mechanical mixer (300 RPM) until homogeneous. Gradually add component [C] while continuously mixing until the desired mortar consistency is reached.
- If dilution is required, add Power Solve 5 gradually up to a maximum of 7% of total weight.
- Pour and spread the mortar on the surface, compacting and leveling it using a screeding tool, then smooth it with a metal trowel.
- If a final coating of Power Floor HC is needed, wait at least 18 hours after spreading the mortar.
- Clean tools and equipment immediately after use with Power Solve 1 solvent.

## Safety precautions: -

- The product should be applied in a well-ventilated area.
- Gloves, protective clothing, and eye goggles should be worn during application.
- Never eat, drink, or smoke during application.
- In case of skin contamination, wash the contaminated area with water and soap.
- In case of eye contamination, immediately wash with abundant lukewarm water and consult a doctor immediately.

- Avoid spilling residues of the product into any watercourse or soil.
- Dispose of product residues or empty containers according to local environmental regulations.

## Packages: -

3 Kits [A + B + C] [14, 70 kg].

## Storage: -

The product should be stored for two years in tightly sealed containers and under appropriate storage conditions.

For more information or inquiries, Visit our website.

Power-cp.net

Disclaimer: The technical data provided herein is accurate and correct as of the publication date and is subject to change without prior notice. The information in this datasheet is not exhaustive. Application conditions should comply with those mentioned in this datasheet. The company is not responsible for any losses resulting from application under differing conditions.
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