

Technical data sheet

Sam Floor Filler



Product description.

Two-component, non-shrinking, polyamine solvent free epoxy filler for concrete substrates.

Characteristics

- High compressive strength.
- Excellent impact resistance.
- Applied over Sam flooring sealers for warehouses, garages, dairies, factories, laboratories, aircraft hangars, food, beverage and plant rooms.
- Designed to overcome cracks, surface imperfections and irregularities in concrete substrates.
- Excellent workability.

Physical properties.

Colour Light Grey

Texture matt

| Mixing and application Information | |
|------------------------------------|--|
| Number of components | Two |
| Mixing ratio | By Volume, base to hardener: 2 / 1 |
| Specific gravity | Approx. 1.75 g/ml |
| Volume solids | 100% Tested acc. ASTM D 2369 |
| VOC (Supplied) | Approx. 0 g/liter |
| Flashpoint | >150°C |
| putty knife or spatula. | Recommended |
| Brush | Not suitable. |
| Roller | Not suitable. |
| Thinner/Cleaner | Cleaning solvent: SAM Thinner No. 1 Thinner not to be used to dilute the product. |
| Pot life | 45 min at 25 C° |

Recommended film thickness range

| | | |
|--|---------------------------|--------------------------|
| Dry film thickness per coat (µm) | 200 – 700 µm | ASTM D1186 ASTM D1212 |
| Wet film thickness per coat (µm) | 200 – 700 µm | |
| Theoretical spreading rate (m ² /L) | 5 – 1.4 m ² /L | |

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Surface Preparation

Concrete substrates

- Surfaces should be treated in accordance with SSPC SP13/NACE NO 6 /ASTM D4258 -05.
- Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign material to ensure adequate adhesion,
- As a general rule the concrete must be stayed to full cure (28days) before any application of flooring paint system.

Coated substrates

- Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign material to ensure adequate adhesion.
- Roughen the old coated surface to ensure coating adhesion.

Drying and recoating information

| Substrate temperature | 23°C | 30°C | | |
|-----------------------|----------|------------|-------------|------------|
| Touch dry | 3 Hour | 2 Hour | ASTM D 1640 | |
| Hard dry | 10 Hours | 8 Hours | | |
| Full cure | 5 Days | 3 Days | | |
| Dry to recoat | Min. | 12 Hours | | 10 Hours |
| | Max | Indefinite | | Indefinite |

The drying and curing periods are established by subjecting the product to controlled temperatures and a relative humidity level that does not exceed 85%, and at average DFT range for the product.

Application conditions

- Avoid the formation of moisture on the surface, it is recommended that the temperature of the substrate remains at least 3°C higher than the dew point of the surrounding air, during painting process and until hard dry of the paint. It is important to take measurements of the temperature and relative humidity in the area surrounding the substrate according to ISO 8502-4.
- It is recommended to not exceed the surface temperature of approximately 45°C.
- For optimal results, it is important to mix the product thoroughly, making sure to combine the base and hardener in the recommended ratio.
- It is not recommended to dilute the product by thinner.
- When working in small, cramped, confined spaces, it is important to ensure sufficient ventilation during both application and drying time.
- It is important to monitor the temperature of the paint, as it can impact its viscosity. To achieve the desired film thickness, for additional information, please get in touch with your Local SAMCO office.

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Safety Precautions

- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes.
- Avoid inhalation of spray mist, it is important to take appropriate precautions. Skin contact should also be avoided, and any spills should be promptly cleaned up using soap, water, and a suitable cleanser. If the product comes into contact with the eyes, they should be thoroughly flushed with water and medical attention should be sought immediately.
- To ensure safe handling and use, please follow the guidelines below:
 - Wear appropriate personal protective equipment, such as gloves, eye protection, and respiratory protection, when handling or using this product.
 - Avoid direct skin contact and inhalation of dust, mist, or vapor.
 - If skin contact occurs, immediately wash the affected area with soap and water.
 - If the product comes into contact with the eyes, flush them thoroughly with water and seek medical attention immediately.
 - Use this product in a well-ventilated area to minimize the risk of inhalation.
 - Store the product in a cool, dry place, away from sources of heat or ignition.
 - Keep the product out of reach of children and animals.
 - Follow all applicable regulations and guidelines for handling, transportation, and disposal of this product.

Storage and shelf life

Ensure compliance with national regulations, proper storage guidelines must be followed for the product. The cans should be stored in a well-ventilated area that is dry, cool, and kept away from any heat or ignition sources. It is important to ensure that the cans are tightly closed at all times to maintain safety.

Disclaimer

All information in this document has been prepared to the best of SAMCO's knowledge, based on laboratory testing and practical experience to ensure good workmanship. However, the responsibility for executing the work stays with the applicator/ contractor/sub-contractor. SAMCO products are used under conditions beyond SAMCO's control. Users should always consult SAMCO for specific guidance on the general suitability of this product for their needs and specific application practices. SAMCO reserves the right to change the given data without further notice.