



The Chemical Company

PRODUCT DATA

9 09 67 23 **Resinous
Flooring**

UCRETE® FF PRIMER

Fast-curing 99% solids polyurethane primer

Description

Ucrete® FF Primer is a two-component fluid-applied polyurethane primer for the Ucrete® Fast Floor System. Ucrete® FF Primer is kit based; both components are shipped in a single 5 gallon (18.95 L) pail containing 3.4 mixed gallons (12.9 L). This primer is specifically designed to provide fast turn-around time for the Ucrete® Fast Floor System (Ucrete® FF Primer and Ucrete® MF).

Yield

300 – 350 ft²/gallon (7.5 – 8.7 m²/L)

All coverage rates are approximate. Coverage rates will vary with the desired texture and the porosity of the concrete.

Packaging

Self-contained 3.4 gallon (12.9 L) kits

Shelf Life

1 year when properly stored

Storage

Store and transport in unopened containers in a clean, dry area at stable temperatures approximating 65° F (18° C).

Features

- 99% solids
- Fast curing
- Compatible technology

Benefits

- Low odor; VOC compliant
- Allows 24-hour installation of Ucrete® Fast Floor system
- High bond strength at the Ucrete®-Primer bond line

Where to Use

APPLICATION

- Rapid, same-day installation of Ucrete® Fast Floor System
- Meat, poultry, and dairy plants
- Bakeries
- Confectionery packaging
- Food warehouses
- Textile production
- Assembly plants
- Pharmaceutical facilities
- Laboratories

LOCATION

- Interior

SUBSTRATE

- New and existing concrete surfaces and toppings; for other substrates, contact Technical Service

How to Apply

Ucrete® systems are installed by approved contracting firms that have completed the manufacturer's training workshops. Ucrete® is a globally branded product line with industry synergies around the world.

The following is only a summary of the installation techniques used by your Ucrete® approved contractors. Refer to the Ucrete® Contractor Installation Guideline for more information.

Surface Preparation

1. Floors must be structurally sound and fully cured a minimum of 28 days. Test floor for vapor drive in accordance with ASTM D 4263.
2. Repair concrete as necessary.
3. Use a commercial degreaser to clean floors of oil, grease, and other bond-inhibiting materials.
4. Remove curing and parting compounds and other surface hardeners and floor coatings in accordance with the manufacturer's instructions.
5. Mechanical surface profiling is the method of surface penetration for both new and existing floors. Mechanically profile the floor to a minimum CSP 4 as described by the International Concrete Repair Institute.
6. Apply a 10 by 10 ft (3 by 3 m) test in an inconspicuous area that meets the owner's expectations for appearance, slip resistance, and performance.

UCRETE®

Mixing

1. Precondition both components to approximately 70° F (21° C) before mixing.
2. Add entire contents of Ucrete® FF Primer Part B to Part A. Mix both components with a slow-speed drill (300 rpm) for a minimum of 3 minutes. Scrape the sides and bottom of mixing vessel, then mix again for 2 minutes. Keep the mixing paddle submerged during mixing. Avoid whipping air into the mixture. Do not mix by hand.

Application

1. Apply with a paint roller and squeegee at a rate of 300 – 350 ft²/gallon (7.5 – 8.7 m²/L). Apply primer only to those areas that will be coated within 12 hours with Ucrete® topping.
2. Ucrete® MF may be applied over the tack-free primer in approximately 3 – 4 hours, depending on temperature and humidity. See the Ucrete® Fast Floor product data sheet for more information.

Tack-Free Time

| TEMPERATURE (° F [° C]) | TACK-FREE TIME (HRS) |
|----------------------------|-------------------------|
| 40 (4) | 10 |
| 60 (16) | 5 |
| 74 (23) | 3 |
| 95 (35) | 1 |

Drying Time

The minimum curing temperature is 40° F (4° C).
Protected primed areas from rain and moisture.

For Best Performance

- Use an effective moisture-vapor barrier for substrates on or below grade.
- Do not apply to damp or wet concrete.
- Spread the material by squeegee before rolling.
- Do not over-apply in a visible, thick film.
- Pot life is approximately 30 minutes at 70° F (21° C). Higher temperatures will shorten pot life.
- Although Ucrete® FF Primer adheres well to concrete, for maximum adhesion, use the traditional Ucrete® MF scratch coat in place of Ucrete® FF Primer.
- Ucrete® FF Primer must be tack free before installation of Ucrete® MF.
- The recoat window must not exceed 12 hours at 74° F (23° C).
- Apply the Ucrete® FF material within 15 minutes of mixing (at 74° F [23° C]) to achieve maximum penetration.
- BASF representatives and flooring specialists are available to assist you in the selection of the proper flooring system. Call 1-888-243-6739 for in-house and field technical assistance.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions..
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety and Environmental

Read, understand and follow Material Safety Data Sheets and product labels for all components of this flooring system prior to use. The MSDS can be obtained by searching for them on www.BuildingSystems.BASF.com, e-mailing your request to basfbcsst@basf.com or calling 800/433-9517. Use only as directed.

BASF Construction Chemicals, LLC – Building Systems

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



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