



TECHNICAL DATA SHEET – CF-100

Revised:09/2023

PRODUCT DESCRIPTION

CF-100 Color Flake is a polymeric deck flooring system consisting of a pigmented epoxy base coat.

CF-100 Color Flake is a thin-set system designed to coat over existing substrates that are sound and in good condition. Fire retardant in the cured state, it is intended for use in light traffic areas on interior metal decks in habitability, sanitary, and other wet spaces.

SURFACE PREPARATION

Existing deck covering must be 100% removed. It is imperative that surfaces to which deck covering is to be applied be thoroughly cleaned of all foreign matter such as dirt, oil, grease, wax, paint, rust, scale, moisture, and other contamination before installation is begun.

- Preparation shall be by methods most feasible, such as grinding, sanding, or using needle point gun to expose bright metal to SSPC-SP11 Standards. Concrete should be clean and sound prior to application. Consult surface preparation sheets available from American Safety Technologies for more detailed procedures.
- Remove all dust and other loose matter from area. Clean deck free of remaining contaminants with an approved degreasing solvent.
- If exposed surface requires corrosion protection, apply MS-7CZ Primer.
- If exposed surface requires upgrading, apply EU-100 or EU-100 Lightweight Epoxy Underlayment before application of **CF-100** System.

APPLICATION

This four-step procedure consists of application of a base coat, application of a chip holding seal coat, broadcasting of chips and application of a final seal coat(s). Each unit sold separately.

NOTE: For additional application parameters and guide-lines please refer to ASTM F-718.

All products must be used promptly once hardener (Part B) has been added to base (Part A) to avoid having material set up in the container.

Step 1: Grout Coat (if required)

GC – 100 Grout Coat should be used to seal porous surfaces such as underlayment or concrete. See GC-100 Technical Data Sheet for further information.

Step 2: Underlayment (if required)

EU-100 & EU-100 Lightweight Epoxy Underlayment's may be used when deck requires change in contour or grade or to eliminate weld seams on sealed decks. See EU-100 or EU-100 Lightweight Technical Data Sheet for further information.

Step 3: MS-1600 Flexible Membrane (optional)

To comply with Type II Class 2 flexibility requirements, apply MS-1600 Flexible Membrane by roller or notched trowel. See MS-1600 Technical Data Sheet and ASTM F718 for further information.

Step 4: CF-100 Base Coat

CF-100 Base Coat can be applied directly over non-porous surfaces. A porous or irregular surface may require two coats to fully cover

CF-100

COLOR FLAKE SYSTEM

MIL-PRF-32584 TYPE IV, CLASS 1, COMP E /
MIL-PRF-24613 TYPE I, II CLASS 2 GRADE B

the surface. Pour Part B into Part A and mix thoroughly by means of a mechanical mixing process to include usage of a jiffy blade, be sure to scrape sides and bottom of can to insure complete mixing. Apply to deck with short nap roller or with 1/8" V notched trowel. Allow to cure 12 hours or until hard before proceeding. Avoid contamination of the Base Coat during cure.

Step 5: Flaking and Seal Coat

Wrap shoes in Polyethylene, masking tape or other suitable covering to protect surface. Select proper amount of SC-100 Seal Coat to match job requirements. Pour part B into Part A and mix thoroughly. Be sure to scrape bottom and side of can to ensure complete mixing. Apply to cove base, corners and stanchions and other hard to reach areas with a brush. On flat areas apply with a short nap roller.

Broadcast vinyl chips into wet Seal Coat to attain desired coverage and pattern (usually 80% coverage). Avoid stacking or excessive build-up of chips to flatten and wet out all chips. Chips may be moved around in wet sealer to achieve desired pattern. Allow SC-100 to cure 8 hours or until hard. Sand lightly to remove any high spots and protruding chips, vacuum clean.

Apply one or more additional coats of SC-100 to achieve desired surface requirement. Allow at least 12 hours to cure at 70°F before opening the area to traffic.

SURFACE MAINTENANCE

To maintain the performance of **CF-100**, we recommend periodic cleaning with an approved cleaner/degreaser in accordance with military directives. Scrub surface with a long handled, fiber-bristled brush or floor machine. Rinse with clean water and dry.

STANDARD COLORS

BASE: Navy Blue, Dark Blue, Desert Beige, Gray. Custom Colors are available and subject to minimum order requirements.

PRODUCT SPECIFICATIONS

V.O.C	"0" lbs per gallon ("0" grams/ liter)
VOLUME SOLIDS - %	100 % by volume
POT LIFE	50 Min. @ 70°F (21°C)
DRY TIME	10 Hrs. @ 70°F (21°C)
CURE TIME	12 Hrs. @ 70°F (21°C)
ESTIMATE COVERAGE	50 sq. ft./kit, per 1 gal kit
WEIGHT	0.3 lbs./sq.ft.
FLASH POINT	230°F (>110°C)
PACKAGING	Part A: Gallon Part B: Quart
SHELF LIFE	2 Years

The responsibility for surface preparation and product application rests with the customer. ITW Polymers Sealants North America, Inc. will assume no liability or imply any warranty as to the serviceability of the products or application due to the fact we have no control over surface preparation, environmental conditions or application procedures. ITW Polymers Sealants North America, Inc. technical assistance is advisory only unless otherwise specified.

American Safety Technologies is a ® Registered Trademark of Holcim Solutions and Products US, LLC. © Copyright 2023 Holcim Solutions and Products US, LLC. All rights reserved. Published technical data and instructions are subject to change without notice. Please visit the online catalog at www.holcimast.com for the most current technical data and instructions. Or you may contact your Holcim representative for current technical data and instructions. EXCLUSION OF WARRANTIES: INSTALL AS DIRECTED ON AMERICAN SAFETY TECHNOLOGIES PRODUCT DATA SHEET. USER DETERMINES SUITABILITY FOR INTENDED USE AND ASSUMES ALL RISK AND LIABILITY. THIS PRODUCT IS SOLD "AS IS", EXCEPT AS REQUIRED BY LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT TO PLACE OF PURCHASE.