



Product Data Sheet (PDS):

GacoFloor GFE7CZ

Revised:08/2024

**GACOFLOOR GFE7CZ
TWO-COMPONENT RUST INHIBITIVE EPOXY PRIMER**

A. PRODUCT DESCRIPTION:

GacoFloor GFE7CZ is a lead and chromate free, rust inhibitive, two-component, epoxy primer specifically designed for use in conjunction with Holcim Solutions and Products US, LLC's coatings applied to metal substrates. It meets USDA standards for maintenance protective coatings not in direct contact with food in federally inspected meat and poultry plants.

GacoFloor GFE7CZ contains a new, state-of-the-art compound that was created by combining zinc and phosphate at the molecular level. Zinc complexed with phosphate becomes a non-metallic compound that is completely different, from regular, inorganic zinc. Inorganic zinc primers are made from ground metallic zinc powder mixed with a very basic inorganic polymeric liquid. GacoFloor GFE7CZ, on the other hand, is made up of a very high quality, two-component, polyamide epoxy and a small amount of zinc complexed with phosphate. Rather than metallic zinc, GacoFloor GFE7CZ has very good anticorrosion properties and promotes adhesion of steel to epoxy grout.

B. RECOMMENDED USE:

GacoFloor GFE7CZ is recommended for use as a metal primer in severe industrial and chemical environments. It possesses excellent adhesion to properly prepared iron and steel surfaces, providing rust resistance to ferrous substrates, both on initial application and in the event of damage to the topcoat. It can be used under many epoxy, urethane, vinyl, chlorinated rubber and coal tar/epoxy finish coats.

C. PACKAGED PRODUCT DATA*:

PROPERTY	OBSERVED VALUE / DESCRIPTION
COLORS	Gray Light Gray Buff
REDUCER	N/A
VOLUME SOLIDS	72 %
ESTIMATED COVERAGE	250 ft ² / gal (23 m ² / 3.8 L) 4 mils DFT / 6.5 mils WFT
WEIGHT PER GALLON	12.6 lb / gal (1.52 kg / L)
RELATIVE HUMIDITY	85 % maximum
PACKAGING	Resin (NH): 2.9 L (0.77 gal) in a 1 gal can Hardener (NH): 0.87 L (0.23 gal) in a quart can
UNIT WEIGHT	Resin: 4.9 kg (10.8 lb) Hardener: 0.86 kg (1.9 lb)
CLEAN UP	S426, S31, Solvents, Isopropyl Alcohol or MAK Solvent

D. APPLIED PRODUCT DATA*:

PROPERTY	OBSERVED VALUE / DESCRIPTION
POT LIFE	Four (4) hours @ 70 °F (21 °C)
DRY TIME	Tack Free – Two (2) hours @ 70 °F (21 °C) To Recoat – Twelve (12) hours @ 70 °F (21 °C)
APPLICATION TEMPERATURE	55 °F minimum to 120 °F maximum (13 °C minimum to 48 °C maximum) + 5 °F (3 °C) above dew point

E. PRODUCT INSTALLATION:

STEP	INSTRUCTIONS
SUBSTRATE PREPARATION	<p>STEEL: Surfaces must be dry, clean and free of all previous coatings, rust and surface contamination. Minimum surface preparation is abrasive blast to Commercial Grade SP-6. Blasted surfaces must be coated within eight (8) hours. Prior to blast cleaning, remove all deposits of oil or grease using Solvent Clean method SP-1.</p> <p>PREVIOUSLY PAINTED SURFACES: If the paint is peeling or degrading in any way, it should be completely removed by sanding, blasting or stripping. If previous paint coating is completely intact, the surface may be cleaned with a strong detergent or solvent and scuff sanded to remove the gloss. A spot test should be made by applying a small amount of coating over old paint. The old finish may wrinkle or lift within sixty (60) minutes. If it does not, wait five (5) days and test for adhesion. Do this by cutting an "X" into the coating, place tape firmly over the cut, then pull the tape with a hard, fast pull. If the old finish fails, it must be removed.</p>
APPLICATION	<ol style="list-style-type: none"> Applications should only take place when material, surface, and ambient temperature are all above 55 °F (13 °C) and at least 5 °F (3 °C) above the dew point. Application not recommended with surface temperatures over 120 °F (49 °C). GacoFloor GFE7CZ should be applied to a minimum 2 – 3 mils (50 – 75 microns) dry film thickness above the averaged surface profile and a maximum of 6 mils (152 microns) DFT. GacoFloor GFE7CZ can be applied by spray, roller or brush. Spraying should be done perpendicular to the surface to insure complete coverage. Each pass of the spray gun should overlap the previous pass by 50 %. Weld seams and edges should be stripe coated prior to complete prime coat. GacoFloor GFE7CZ is a two-part compound. Mechanically mix the base portion until homogenous. Pour the hardener into the container of base material and mechanically stir thoroughly until uniform (approximately three minutes). NO THINNERS MAY BE ADDED. Make sure that all sediment is stirred up off the bottom of the can. GacoFloor GFE7CZ does not require the usual induction period and may be applied immediately after mixing. Working pot life is four (4) hours at 70 °F (21 °C). The primed surface should be protected from contamination. If the top coat or grout application is delayed so that the surface becomes contaminated, clean the area again. Clean tools and spray equipment immediately after completing installation using an epoxy solvent compliant with state and federal V.O.C. regulations.

* For specific Safety and Health information please refer to the appropriate Safety Data Sheet that is associated with this product.