



Product Data Sheet (PDS):

GacoFloor AS250

Revised: 03/2025

GACOFLOOR AS250 GENERAL PURPOSE VEHICULAR GRADE ANTI-SLIP COATING

A. PRODUCT DESCRIPTION:

GacoFloor AS250 is a general purpose, vehicular grade, anti-slip industrial maintenance coating designed for application in slippery areas to make them safer for operations of foot and rolling equipment traffic.

B. RECOMMENDED USE:

GacoFloor AS250 was originally developed for application on flight decks of aircraft carriers to provide the greatest possible resistance to wear and tenaciously adhere to decks so as not to fracture or disintegrate under the impact of high-speed aircraft landings.

GacoFloor AS250 resists most acids, alkalis, solvents, grease, oil, salt water, detergents, alcohol, gasoline, jet fuels, and hydraulic fluids.

C. PACKAGED PRODUCT DATA*:

PROPERTY	OBSERVED VALUE / DESCRIPTION
COLORS	Black Gray
V.O.C.	2.07 lb / gal (250 g / L)
VOLUME SOLIDS	71 %
ESTIMATED COVERAGE	SPRAY: 60 ft ² / gal (5.6 m ² / 3.8 L) TROWEL: 50 ft ² / gal (4.6 m ² / 3.8 L) ROLLER: 40 ft ² / gal (3.7 m ² / 3.8 L)
WEIGHT PER GALLON	14.9 lb / gal (1.80 kg / L)
FLASH POINT	81°F (27°C)
PACKAGING	1 gal (3.8 L) kit 5 gal (18.9 L) kit
SHELF-LIFE	Two (2) years in unopened container

D. APPLIED PRODUCT DATA*:

PROPERTY	OBSERVED VALUE / DESCRIPTION
POT LIFE	Four (4) hours @ 70 °F (21 °C)
DRY TIME	Light Traffic – Twelve (12) hours @ 70 °F (21 °C) Heavy Traffic – Seventy-two (72) hours @ 70 °F (21 °C)
COEFFICIENT OF FRICTION ASTM F609	Wet – 1.05 Dry – 1.05

E. PRODUCT INSTALLATION:

STEP	INSTRUCTIONS
SUBSTRATE PREPARATION	CONCRETE: Remove oil, grease, dirt, wax, etc., by dissolving with a commercial grade cleaner/degreaser then flush the area thoroughly with clean water and allow it to dry. Remove all paint films, laitance, and loose concrete by scarification or shot blasting. Patch any holes or significant defects with a concrete patch or repair mortar. Smooth or glazed surfaces should be roughened, and new concrete should cure at least thirty (30) days with good ventilation prior to application. All release agents, hardeners, sealer, etc. that can interfere with adhesion must be removed. Prime the surface with 100EX Epoxy Primer. METAL: 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 SSPC-SP1. WOOD/FIBERGLASS: A clean sound surface is required. Remove any dirt or oils from the surfaces with a commercial cleaner/degreaser and allow the surface to dry. Follow with sanding to remove loose or deteriorated surface and to obtain the proper surface profile. For wood prime the surface with GacoFloor 100EX primer. For fiberglass use GacoFloor MS7CZ primer for the best adhesion.
APPLICATION	GacoFloor AS250 is designed to be applied over a primer. Thoroughly pre-mix base component with a mechanical mixer such as a pneumatic drill motor with a Jiffy® mixing blade making sure all settlement is lifted off the bottom of the container and is uniformly dispersed and assumes a uniform color and appearance. Pour entire contents of hardener can into base material. Mix hardener and base material with a Jiffy® mixing blade for approximately three (3) – five (5) minutes scraping bottom and side of the can until mixed material assumes a uniform color and appearance. No induction time is required. GacoFloor AS250 should be applied at surface temperatures between 50 °F (10 °C) and 130 °F (54 °C) and applications outside that range are not recommended. Exterior applications must be protected from rain for at least twelve (12) to twenty-four (24) hours after application according to humidity. Protect from heavy or extended exposure to water, oil, and chemicals for five (5) to seven (7) days. ROLLER: <i>Rolled applications provide the most aggressive non-slip characteristics with an irregular, ridged profile.</i> 1. For best results, do not thin and apply using a phenolic core roller. It is important that the rolled profile expose the maximum amount of non-slip aggregate. If the aggregate is not properly exposed the coating may become slippery when wet. 2. Pour a ribbon of GacoFloor AS250 on the surface approximately 2 ft (0.6 m) long and 6 in (150 mm) wide. Roll material in one direction only, in slow straight strokes pulling material toward you with a moderate amount of pressure. Do not over-roll too many times or press down too heavily. Be careful that material does not build up too thickly along welds. Material applied too thickly may not properly cure.

	TROWEL: <i>Trowel applications provide excellent non-slip characteristics with a rough, textured surface.</i> 1. Use a flexible bladed plasterer's finishing trowel approximately 4 in (100 mm) by 12 in (300 mm). Use smooth edges, not notched. 2. Pour a ribbon of GacoFloor AS250 on the surface approximately 2 ft (0.6 m) long and 6 in (150 mm) wide. 3. Hold trowel at 45° angle to surface and spread with sweeping motion. Reverse angle of trowel for opposite stroke. Pull material toward you. Trowel across welds to avoid too thick an application. SPRAY: <i>Sprayed applications will result in a uniform appearance with good non-slip characteristics.</i> 1. GacoFloor AS250 should not be thinned. Thinning could result in grit not remaining properly in suspension. 2. Specialized mastic type spray equipment is required. A recommended set-up is as follows: a. A 5 gal (18.9 L) bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1 in I.D. outlet pipe. b. 25 ft (7.6 m) of 3/8 in (10 mm) air hose with 3/8 in (10 mm) female connectors at each end. c. 25 ft (7.6 m) of 3/4 in (20 mm) material hose with 3/4 (20 mm) in female connectors at each end. 3. Minimum air supply required is 20 CFM (566 Lpm) at 90 lb (41 kg) pressure. Recommended pressure is 15 - 20 psi (0.1 - 0.14 Mpa) on material and 20 - 25 psi (0.14 - 0.17) on atomization. Always keep atomization air pressure higher than pot pressure with constant agitation. Good coverage and film thickness will be obtained working at 18 in (0.45 m) or 24 in (0.6 m) distance from surface. Overlap strokes about 50 %. Make sure of wet-on-wet application. Very little abrasive rebound will be noticed at 15 psi (0.1 Mpa); however, it will be more noticeable at higher pressure. 4. When temperature is above 80 °F (26 °C), it is advisable to flush the spray equipment with epoxy solvents every hour or so in order to prevent the possibility of any material setting up and plugging the equipment.
MAINTENANCE	Maintain a clean surface to ensure the anti-slip performance of the GacoFloor AS250 is maximized. The following cleaning procedure is recommended. 1. Foreign matter such as chewing gum should be removed with a scraper or putty knife. Then apply an all-purpose, biodegradable cleaner/degreaser that can be mixed with water to the surface. 2. Scrub surface with a long-handled, fiber bristled brush or floor machine. 3. Rinse with clean water and dry. Although extremely durable, GacoFloor AS250 is not a permanent coating and will require occasional touch up, especially in heavy traffic areas.

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