



Product Data Sheet

ASMACO FLOOR FC 160 CP

High-build solvent free epoxy coating for anti-slip traffic & parking deck protection.

DESCRIPTION:

ASMACO FLOOR FC 160 CP is a solvent-free epoxy coating multi component system designed for specific applications where durability and safety are paramount. Its range of thickness, solvent-free nature, and ability to create a profiled finish make it a suitable choice for basement, ground floor, podium car parks and intermediate traffic decks with low structural movement.



KEY PERFORMANCE PROPERTIES

- Durable, low maintenance costs.
- Solvent free - no odour during application.
- Slip resistant - different textures available to suit conditions to avoid slipping. working environment and identify slip hazard areas.
- Specially formulated for use in hot & tropical & cold conditions.
- Seamless coating for concrete to protect against vehicle related spillages such as common oils, greases, lubricants, aviation fuels or AC fluid.

AREAS OF APPLICATION

- **ASMACO FLOOR FC 160 CP** is easy to apply, cost effective and particularly, Designed for a wide range of floors with various levels of mechanical and chemical exposure,
- Car Parking
- Garages,
- Aircraft hangars and maintenance areas
- Car workshops
- Traffic decking
- Pedestrian walkways

METHOD OF APPLICATION

ASMACO FLOOR FC 160 CP The long term durability of any resin floor system is determined by the adhesive bond achieved between the flooring material and the substrate. It is most important therefore that substrates are correctly prepared prior to application.

New Concrete Floors:

These should normally have been placed for at least 28 days and have a moisture content of less than 5%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excess laitance deposits are best removed by light mechanical scabbling, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

Old Concrete Floors:

A sound, clean substrate is essential to achieve maximum adhesion. As for new concrete floors dry removal of laitance deposits are best removed by light mechanical scabbling, grinding or grit/captive blasting. Oil and grease penetration should be removed using a proprietary chemical degreaser or by hot compressed air treatment.

Any damaged areas or surface irregularities should be repaired using epoxy repair mortar **ASMACO POXY 90 FC**.

Priming:

Priming is not normally required provided the substrate is sound, untreated, and good quality nonporous concrete. If any doubts exist of the quality of the concrete, or if it is porous, it should be primed with **ASMACO FLOOR PRIME P2**.

ASMACO FLOOR PRIME P2 should be mixed in the proportions supplied. Add the entire contents of the hardener can to the base can. When thoroughly mixed, preferably using a slow speed drill and paddle, the primer should be applied in a thin continuous film, using rollers or stiff brushes. Apply the primer well into the surface of the concrete taking care to avoid ponding or over application. The primer should be left to achieve a tack-free condition before applying the topcoat. A second coat of primer may be required if the substrate is excessively porous.

Mixing the ASMACO FLOOR FC 160 CP

Pre-mixing Base (Part A): Before mixing, thoroughly stir the Base (Part A) component. If the material has been stored for a long period, some solid content may have settled at the bottom of the container. Pre-mix until a completely homogeneous consistency is achieved.

Adding Colour Paste: Add the full 2.3 kg of colour paste into the 21.80 kg pack of Base (Part A). Mix thoroughly to ensure the colour is evenly dispersed throughout the base.

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Adding Hardener (Part B): After the colour paste is fully incorporated, add the entire contents of Hardener (Part B) into the mixed Base (Part A). Mix continuously for at least 3 minutes until a uniform mixture is achieved.

Mixing Equipment: It is recommended to use a heavy-duty, slow-speed, flameproof or air-driven drill fitted with an MR3 mixing paddle.

Always mix the components in the supplied quantities and ensure that all containers are completely scraped to avoid material loss or incorrect mixing ratios.

Important Note: Do not add any solvent or thinner at any stage. This is a 100% solid epoxy system. Adding solvents will cause segregation during application, resulting in spotting, patchiness, and an unacceptable finish.

Standard Application of ASMACO FLOOR FC 160 CP for Anti Slip Finish:

The first coat of **ASMACO FLOOR FC 160 CP** should be applied on primed surface by using a good quality medium haired pile roller, suitable for epoxy application, or squeegee to achieve a continuous coating. Ensure that loose hairs on the roller are removed before use. A minimum film thickness of 250 microns should be applied. This can be increased where specifications demand. Toss the anti-slip grain when the base coat has in wet formation prior reached initial cure (12 hours @ 20°C or 5 hours at 35°C). Remove all loose anti-slip grain prior to start the topcoat application, applied by medium haired roller, at minimum film thickness of 250 microns. Care should be taken to ensure that a continuous film on anti-slip grain is achieved.

Anti-slip Application:

Slip resistant texture, the base coat shall be applied as per the standard application, but at a minimum film thickness of 250 microns. The base coat should then be dressed in the chosen **ASMACO FLOOR ANTISLIP GRAIN**. can be broadcast in a light random dressing to provide a less dense finish. When the base coat has reached initial cure (12 hours @ 20°C or 5 hours at 35°C), the excess aggregate should be vacuum cleaned from the surface.

The topcoat can now be applied by medium haired roller, at a rate of 2.0 m²/Kg. Care should be taken to ensure that a continuous film is achieved and the rough surface, caused by the aggregate, is completely sealed. This topcoat must be applied within 36 hours @ 20°C / 15 hours @ 35°C of the application of the first coat.

Traffic marking lines may be applied using **ASMACO FLOOR LM 15** Traffic Line Marking Paint (TLMP) after five days from application of Car parking flooring.

Expansion joints

Expansion joints in the existing substrate must be retained and continued through the **ASMACO FLOOR FC 160 CP** topping. **ANCHOR ALLIED FACTORY** has a range of joint sealants specifically designed for flooring, apply pouring grade polysulphide sealant **ANCHORSEAL 963 PG** / **ANCHOR PRIME P1** contact local **ANCHOR ALLIED** technical department for advice.

Cleaning

Tools and equipment should be cleaned with **ASMACO CLEANER 2** immediately after use. Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

CLEAN UP

Spillages of component products should be absorbed on to earth, sand, or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packing should be in accordance with local waste disposal regulations.

HEALTH & SAFETY

ASMACO FLOOR FC160 CP, ASMACO FLOOR PRIME P2 and ASMACO CLEANER 2 should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours.

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Safety Data Sheet and the container(s) and should not be used without reference to the Safety Data Sheet (SDS). All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards, and regulations.

Industrial Skin Cleanser, followed by washing with soap. Should accidental eye contamination occur, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

Fire

ASMACOFLOOR PRIME P2 and ASMACO CLEANER 2 are flammable. Do not expose to naked flames or other source of ignition. No smoking during use. Containers should be tightly sealed when not in use. In the event of a fire, extinguish with CO₂ or foam.

STORAGE & SHELF LIFE

Store under warehouse conditions, below 35°C in the original, unopened packs.

For further information, refer to the Product Material Safety Data Sheet.

PACKAGING

ASMACO FLOOR PRIME P2 - SF:	4.00 Kg Set
ASMACO FLOOR FC 160 CP	
ASMACO FLOOR FC160 CP:	27.50 Kg Set
PART A:	21.80 Kg
PART B:	3.40 Kg
ASMACO FLOOR COLOR PASTE:	2.30 Kg
ASMACO FLOOR ANTISLIP GRAIN:	
ASMACO FLOOR ANTISLIP GRAIN:	20 kg bags
ASMACO CLEANER 2:	5 Litre Cans
ASMACO FLOOR UV 2:	22.50 Kg Set
ASMACO POXY 90 FC:	6.00 kg Set

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COVERAGE RATE

■ COVERAGE FOR ANTI SLIP MEDIUM TEXTURE:

ASMACO FLOOR PRIME P2:	8 m ² / Kg
ASMACO FLOOR FC 160 CP (base coat):	2.5 m ² / Kg @ 250μ wft
ASMACO FLOOR ANTISLIP GRAIN No 2:	1.25 Kg — 3.0 Kg / m ²
ASMACO FLOOR FC 160 CP (topcoat):	2.5 m ² / Kg wft
Estimated System Thickness:	1.5 — 2.0mm

■ COVERAGE FOR ANTI SLIP FINE TEXTURE:

ASMACO FLOOR PRIME P2:	8 m ² / Kg
ASMACO FLOOR FC 160 CP (base coat):	2.5 m ² / Kg @ 250μ wft
ASMACO FLOOR ANTISLIP Grain No 3:	1.25 Kg — 3.5 Kg / m ²
ASMACO FLOOR FC 160 CP (topcoat):	2.5m ² / Kg
Estimated System Thickness:	0.75 mm — 1.5 mm

EPOXY REPAIR PUTTY:

ASMACO POXY 90 FC:	1.65 Kg / m ² / 1mm thickness
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OPTIONAL UV PROTECTIVE COAT COVERAGE:

ASMACO FLOOR UV2:	2.5m ² / Kg
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TYPICAL PROPERTIES

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color Neutral / RAL	—	—
Pot Life @ 35°C	20 min	—
Curing Time of each coat @ 35°C	12 Hours	—
Coat Interval Time @35°C	12 to 15 Hours	—
Light Traffic @35°C after	24 Hours	—
Open for Traffic @35°C after	72 hours	—
Density, g/m ³	1.60 ±0.02	ASTM D 1475
VOC	<36 g/L	USEAP 24 - 2023
Compressive Strength @ 7 Days	>70 N/mm ²	ASTM D 579 - 2023
Tensile Strength @ 7 Days	>20 N/mm ²	ASTM D 638 - 2022
Elongation at Break @ 7 Days	>3 %	ASTM D 638 - 2022
Flexural Strength @ 7 Days	>36.00 N/mm ²	ASTM D790-17
Slip Resistance Unit BPN		
Dry Slip	80	ASTM E303:2022
Wet Slip	28	
Abrasion Resistance	29	ASTM D 4060 - 2019
Shore D Hardness	80	ASTM D2240 - 2021
Bacterial Fungal Growth within 7 Days	0	ASTM D 5588

Note: the values given are achieved in laboratory test, actual values obtained on site may show variations from above quoted, All values given are subject to tolerance of 5-10%

Shipping Limitations: None

Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non – Warranty : Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.

All ANCHOR ALLIED FACTORY LLC datasheets are updated on a regular basis. This technical data sheet supersedes all previous editions relevant to this product. It is the user's responsibility to obtain the recent version.



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