



Product Data Sheet

ASMACO FLOOR FC 150

Multi Component High-build Solvent Free Epoxy Floor Coating

DESCRIPTION:

ASMACO FLOOR FC 150 is a multi-component, solvent free, heavy duty epoxy floor coating. It is a self-smoothing, easy to apply product, leaving a seamless & final finish is smooth glossy surface. It has excellent chemical, abrasion and impact resistance designed as part of a thin film coating system. All of which contain reactive elements that are essential to the installation of the system.



KEY PERFORMANCE PROPERTIES

- Durable, low maintenance costs.
- Proven against a wide range of industrial chemicals.
- Solvent free - no odour during application.
- Slip resistant - different textures available to suit conditions to avoid slipping.
- Liquid applied providing complete protection.
- Available in a wide range of colours to improve the working environment and identify slip hazard areas.
- Specially formulated for use in hot & tropical & cold conditions.
- Hygienic, anti-bacterial and fungus growth.

AREAS OF APPLICATION

ASMACO FLOOR FC 150 is easy to apply, cost effective and particularly, Designed for a wide range of floors with various levels of mechanical and chemical exposure,

▪ **Warehouses, Food, Beverage, Plant Rooms, Dairies, Factories, Laboratories,**

METHOD OF APPLICATION

ASMACO FLOOR FC 150 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 150

Mix colour paste in Part A of 21.80 Kg Pail. The base and hardener components of **ASMACO FLOOR FC150** should be thoroughly stirred. The entire contents of the colour paste should be poured into the base container and mixed thoroughly, then add the hardener component and mix for at least 3 minutes. The use of a heavy-duty slow speed, flameproof or air driven drill fitted with a Mixing Paddle (MR3) is desirable. Mix these components in the quantities supplied taking care to ensure all containers are scraped clean. Do not add solvent thinners at any time.

Standard Application:

The first coat of **ASMACO FLOOR FC 150** should be applied using a good quality medium haired pile roller, suitable for epoxy application, or squeegee to achieve a continuous coating.



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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. When the base coat has reached initial cure (12 hours @ 20°C or 5 hours at 35°C). The topcoat can be applied by medium haired roller, at minimum film thickness of 200 microns. Care should be taken to ensure that a continuous film is achieved.

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

Expansion joints

Expansion joints in the existing substrate must be retained and continued through the **ASMACO FLOOR FC 150** 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.

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.

HEALTH & SAFETY

ASMACO FLOOR FC150, 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.

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.

PACKAGING

ASMACO FLOOR FC 150 is supplied as a 28 kg multi component pack.

Color Paste is available in standard colours refer ASMACO FLOOR COLOR PASTE technical data sheet.

Other color/special color choices can be produced depending on the quantity, contact with the ANCHORALLIED FACTORY Technical Services Department.

PRIMER:

ASMACO FLOOR PRIME P2 (Solvent Base): 4.00 Kg Packs

ASMACO FLOOR FC 150:

ASMACO FLOOR FC150: 28.00 Kg Set

PART A: 21.80 Kg

PART B: 3.90 Kg

ASMACO FLOOR COLOR PASTE 2.30 Kg

PRE-MIXED, OPTIONAL*: Subjected to MOQ.

ASMACO FLOOR FC150 (Premixed Including colour paste):

Pack Size: 28.00 Kg Set

PART A: 21.80 Kg

PART B: 3.90 Kg

ASMACO CLEANER 2: 5 litre Cans

ASMACO FLOOR UV 2: 22.50 kg Set

ASMACO POXY 90 FC: 6.00 kg Set

Note: Premixed quantity please coordinate with ANCHOR ALLIED FACTORY LLC technical sales person.

COVERAGE RATE

■ COVERAGE FOR SMOOTH FINISH:

ASMACO FLOOR PRIME P2: 8 m² / Kg

ASMACO FLOOR FC150 (base coat): 3 m² / Kg @ 250µ wft

ASMACO FLOOR FC 150 (topcoat): 3 m² / Kg @ 250µ wft

EPOXY REPAIR PUTTY:

ASMACO POXY 90 FC: 1.65 Kg / m² / 1mm thickness

OPTIONAL UV PROTECTIVE COATING, COVERAGE:

ASMACO FLOOR UV2: 2.5m² / Kg

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CHEMICAL RESISTANT CHART

Chemical resistance

Fully cured ASMCO FLOOR FC150 samples have been tested in a wide range of aggressive chemicals commonly found in industrial environments. Tests were performed in accordance to ASTM D 543 standards over 150 hours (7 days at 25°C ±2°C)

Acids:

Lactic acid 10%:	Resistant
Acetic acid 10%:	Resistant
Sulphuric acid 50%:	Resistant
Nitric acid 25%:	Resistant
Citric acid 10%:	Resistant
Hydrochloric acid 50%:	Resistant

Alkalis:

Ammonia (0.880) 10%:	Resistant
Sodium hydroxide 50%:	Resistant

Solvents:

Petrol:	Resistant
Oil:	Resistant
Kerosene:	Resistant
Butanol:	Resistant
Skydrol:	Resistant
Industrial Methylated spirits:	Resistant

Others

Saturated sugar solution:	Resistant
Urea (saturated):	Resistant
Bleach 5%:	Resistant

All the above properties have been determined through laboratory-controlled tests and exceed expectations in practical applications.

TYPICAL PROPERTIES

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color Neutral / RAL	—	—
Pot Life @ 35°C	20 min	—
Curing Time @ 35°C	12 Hours	—
Coat Interval Time @35°C	15 Hours	—
Light Traffic 35C after	18 Hours	—
Open for Traffic 35C after	36 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	>40.00 N/mm ²	ASTM D790-17
Slip Resistance Unit BPN		
Dry Slip	80	ASTM E 303:2022
Wet Slip	28	
Abrasion Resistance	36	ASTM D 4060 -2016
Shore D Hardness	90	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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MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS,
SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL

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