

ARMORFLO 600

THREE COMPONENT, SOLVENT FREE, ANTI-STATIC AND ANTI BACTERIA EPOXY-BASED SELF LEVELING FLOOR COATING

PRODUCT DESCRIPTION

ARMORFLO-600 is a three part, solvent free epoxy floor coating which can be easily cleaned and has high surface hardness, mechanical and chemical resistances. It has a great appearance, dust, corrosion resistance and easy to clean. It has good anti-static properties, wear and tear resistance and Suitable for heavy duty industrial and decorative flooring. It has great resistance to chemicals, acids and solvents.

FEATURES AND BENEFITS

- High chemical and physical resistance
- Excellent compressive strength
- Excellent flexural and tensile strength
- Seamless dust free and easy to clean.
- Dense corrosion resistant surface

APPLICATION AREAS

ARMORFLO 600 TOP COAT can be applied as top coat over metal and concrete surfaces in:

- Factories, warehouses
- Shopping centers
- workshops
- Aircraft hangars
- Schools and hospitals
- Pharmaceutical and food industries
- Laboratories
- Car parks
- Waste water treatment plants

APPLICATION INSTRUCTION

Surface preparation:

New concrete and plaster must be allowed to cure for at least 28 days. Weak, cracked, broken sections in old concrete floor or plaster must be repaired using Filling Compound and Grout Repair Compounds; loose and unstable floors must be reinforced with anchorage after multilayer lamination.

Surface must be primed 24 hours before application with ARMORFLO 500HD in one coat.

Mixing process; please note, mixing is not to be done in parts

Add component A into a clean dry container and add component B, and stir the mixture for a period of 3 minutes. using low speed (300-400 rpm) electric mixer. Avoid stirring more than necessary in order to minimize entrapped air inside the mixture. Then add component c into the mixture and stir properly



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APPLICATION CONDITION

Surface Temperature:

Minimum +10°C / Maximum +30°C

Ambient Temperature:

Minimum +10°C / Maximum +30°C

Material Temperature:

It must be between +10°C and +30°C.

Surface Moisture Content:

Humidity rate in the concrete must be maximum 4%.

Relative Humidity:

It must be maximum 80%.

Dew Point:

Temperature of the surface to be applied must be at least 30°C above the dew point.

SPECIFICATION

Number of Components : 3

Thinner for Application : Not Available

Gloss : Glossy

Mixture Pot Life : 40 Minutes /23° 200g.
(DIN 16945)

Mode of application: Paint Roller, Brush

VOC :0 g/l (does not contain volatile organic materials.)

Package : 5kg Resin (A) +3kg Hardener (B)
+ 7.5kg powder (C)

Shelf Life :1 year in its original intact container at temperatures between+5 and + 25°C

TECHNICAL DATA

DRYING TIME			
Temperature	Pedestrian Traffic	Mechanical Strength	Chemical Resistance
+ 10°C	36 hours	5 days	10 days
+ 20°C	24 hours	3 days	7 days
+30°C	16 hours	2 days	5 days

Installation and consumption Guide ARMORFLO Epoxy System

Service	ARMORFLO 500	ARMORFLO 600
Industrial mild	4- 6 mm	2mm-4mm
Industrial	5-7 mm	4mm
Heavy duty Industrial	8-10mm	4-6mm

SHELF AND PRECAUTIONS

SHELF LIFE

1 year in its original intact container at temperatures between +5 and + 25°C.

SAFETY PRECAUTIONS

R - (Risk phrases)

R36/37/38- Irritating to eyes, respiratory system and skin.

R42/43- May cause sensitization by inhalation and skin contact.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.





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S – (Safety phrases)

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S46- If swallowed, seek medical advice immediately and show this container or label.

Health and safety instructions available in the materials safety data sheet (MSDS) should be observed. Adequate ventilation must be provided during application. Wear protective equipments such as mask and gloves. Avoid direct touch and do not inhale vapors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

Armorsil Manufacturing supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. Armorsil Manufacturing does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to Armorsil Manufacturing in writing within seven working days of being detected.

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