

ARMORFLO 600

Two component, solvent free, Anti-static and Anti bacteria Epoxy-based self leveling floor coating

Product Description:

ARMORFLO-600 is a two 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.

Typical Applications:

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
- areas where heavy forklifts and corrosive chemicals are of concern

Advantages/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 instructions:

Surface preparation;

Concrete surfaces must be abraded while being simultaneously smoothed and leveled until honeycombs in concrete are visible by completely removing cement grout and, if any, surface curing agents with the aid of abrasive equipment such as diamond grinding machines or steel-shot blasting machines. Weak, cracked, broken sections in the concrete floor must be repaired using Filling Compound and Grout Repair Compounds; loose and unstable floors must be reinforced with anchorage after multilayer lamination.

Mixing process;

Add component A into component B after mixing it on its own, and stir the mixture for a period of 3

minutes. You should prepare all mixtures in a mechanical way using low speed (300-400 rpm) electric mixer. Avoid stirring more than necessary in order to minimize entrapped air inside the mixture.

Application conditions:

- 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.

Technical Specification:

- Number of Components : 2
- Thinner for Application : Not Available
- Gloss : Glossy
- Mixture Pot Life : 40 Minutes /23°C, 200 g. (DIN 16945)
- Mode of Application : Paint Roller, Brush
- Consumption : 400 g/cm² (200-225 μ dry film thickness), depending on the surface
- VOC : 0 g/l (does not contain volatile organic materials.)
- Package : 17.6 kg + 2.4 kg
- 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

Chemical Resistance Chart

Environment	Fumes and Spillage	Weather
Acidic	Very good	Excellent
Alkaline	Excellent	Excellent
Water	Excellent	Excellent
Polyol	Excellent	Excellent

Installation and consumption Guide ARMORFLO Epoxy System

Service	ARMORFLO 500	ARMORFLO 600
Industrial mild	4- 6 mm	1.5mm
Industrial	5-7 mm	1.5 -2mm
Heavy duty Industrial	8-10mm	1.5-2mm

Component B: HARDENER

Hardener component of ARMORFLO 600 two part epoxy, solvent free epoxy floor coating hardener which can be easily cleaned and has high surface hardness, mechanical and chemical resistances.

Application instructions:

Mixing process

Add component A into component B after mixing it on its own, and stir the mixture for a period of 3 minutes. You should prepare all mixtures in a mechanical way using low speed (300-400 rpm) electric mixer. Avoid stirring more than necessary in order to minimize entrapped air inside the mixture.

Application conditions:

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.

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.

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.

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