

ARMORSEAL 700

Complete epoxy system for factory store, warehouse and car park

ARMORSEAL 700 Polyurethane Weather Resistant Floor Coat

Product Description:

MARICOAT-1000 is a solvent based two-pack polyurethane weathering and corrosion resistant final floor coating finish. It has good weathering resistance, corrosion and yellowing resistance which make it suitable for indoor or outdoor use. It has extremely good bonding with the concrete substrate.

Advantages of the Finish(Top Coat):

1. It is Joint less, dustproof, acid and alkali resistance
2. Bright and beautiful appearance, easy application
3. Good weathering and corrosion resistance
4. Yellowing resistance, suitable for outdoors or indoors use
5. Color options

Application Areas:

It is suitable for indoor or outdoor use. Such as decoration and corrosion resistance of floor and wall of light industry workshop, car park, office, warehouse and areas where are exposed to direct sunlight and ultraviolet

Requirement of the Base:

1. Concrete strength must not be less than 25MM
3. Press polish of the concrete surface with cement mortar is recommended.
4. Water & damp proof treatment is suggested before application of leveling layer of the concrete.

Top coat Putty layer Undercoat layer Substrate Primer 2

Technical Data:

Drying Time:

Touch dry: 4-8 hours (15°Q25°Q)

Hard dry: 7-10 days (15°Q25°Q)

Compressive strength (Mpa): ≥70

Bending strength (Mpa): ≥30

Hardness (Shore D): ≥82

Pencil hardness (H): 2H

Abrasion resistance(750g/500r, g): ≤0.03

3% NaCl resistance (7 days): no peeling, no bubble, no color fading and no loss of gloss
40% NaOH resistance (7 days): no peeling, no bubble, no color fading and no loss of gloss
20% H₂SO₄ resistance (7 days): no peeling, no bubble, no color fading and no loss of gloss

Service Life: 15 years

Shelf Life: 6 months

Technical Data:

1. Substrate preparation: Surfaces should be smooth, clean, dry and free from loose particles, oil, grease, and all other contaminants. Moisture content of the floor should be <6%.

2. Primer: Mix Hydroflo Primer A and B based on 1:1 by weight and the reference coverage is 0.12-0.15kg/m². The main purpose of this primer is to seal the substrate completely and avoid air-bubbles in the coat. The primer should be stirred thoroughly after mix, then apply the mixture directly with roller. After application, wait for 8 hours and then continue the next step.

Inspection standard: even film with certain brightness.

3. Undercoat: Mix **HYDROFLO 200 A** and **HYDROFLO 200 B** based on 5:1 first, then add quartz powder (1/2 of the mixture of A and B) into the mixture, stir it well and apply with trowel. The consumption quantity of A and B is 0.5kg /sqm. You can do it one coat at one time or two coats at two times. In the second case, the application interval is about 8 hours at 25 degrees. Sand the first layer, clean it and then apply the second layer. After the whole application, wait another 8 hours, grind it, clean the sanding dust and then continue the next application procedure.

Inspection standards for the undercoat: Non-sticky, no soft feeling, no nail print if scratch on the surface.

4. Standard: It must be Non-sticky, no softness and must be scratch proof when scratched it with nail.

5. Finish: Mix **ARMORSEAL 700 A** and **B** based on 2:1 and apply the mixture with roller. The consumption quantity is 0.3kg/sqm.

Inspection standard: even film, no bubbling, uniform color and scratch resistance.

Maintenance: 2-3 days. Don't put it into use or wash it with water and other chemicals

Technical Data:

Color options Clear and colorless
 Specific gravity 1.2 0.9

Mixing ratio JD-800 A : JD-800 B = 2:1

Pot life 4h. (15°C)

2 h. (25°C) Touch

dry 8h (15°C) 4 h

(25°C)

Hard dry 10 days (15°C) 7 days (25°C)

Application Notes of Finish:

Mixing: **ARMORSEAL 700 A** may have some sediment during storage. Stir it well before mixing with B component. Pour material into the barrel according to the mixing ratio and stir completely for 2 minutes. Reference coverage: 0.3kg/m²(two coats) Application conditions: temperature ≥10 °C Relative humidity < 85%

Notes:

1. The given pot life is based on 5kg ingredients. It will shorten with increased ingredients and temperature.
2. The application environment should be clean, dry and dustless. Control the ventilation properly during application to avoid imperfect coating performance caused by impurities.
3. The paint film will be dull and floating if the relative humidity is above 80% during application and hardening.

Storage:

Seal the can tightly and store in a cool, well-ventilated place. Avoid damp, sunlight exposure and freezing.

Health and Safety Information:

It contains certain chemicals which can cause skin irritation. Wear gloves, masks while handling the product, washing thoroughly after handling. Should skin contact occur, wash immediately with soap and water. During application and curing in closed rooms, adequate fresh air ventilation must be provided. Keep away from open flames including welding.

In case of accidental eye contact, wash with a large quantity of water and immediately seek medical advice. For detailed health, safety, environment recommendations, please consult and follow the instruction on the product

material safety data sheet.

Disclaimer:

The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability for the intended purpose do at his own risk, we can accept no liability of the product for any loss or damage arising out of such use. Product data are subject to change without notice and become void five years from the date of issue.



ARMORSIL MANUFACTURING INCORPORATION

Sede legale: VIA Montello 48, INT #3 Pordenone, Italy. 33170. Tel: + 30256365-16

www.armorsil.com, info@armorsil.com, sales@armorsil.com

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