

Technical Data Sheet: Ref: TDS-HPC-0001-V02

www.kansaipaint.ir

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A570-3012

CHEMICAL & ACID RESISTANT EPOXY FLOORING COAT

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| GENERIC TYPE | Epoxy | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | A570-3012 is a two component, 100% solids, acid and chemical resistant epoxy resin coating system that can be applied as a top coat or primer. Offer a moderate level of protection against some acids and chemicals material. So if you need true protection against caustic chemical and acid spills you want to use an acid and chemical resistant epoxy floor coating. | | | | | | | | | | | | | | | | | | | | | | | | |
| RECOMMENDED USE | As a Suitable for breweries, electronic production facilities, food plants, agriculture and fertilizer plants and other commercial or industrial areas. Rated for heavy forklift traffic, heavy foot or cart traffic, dropped parts and tools. Sold as a complete acid resistant system of epoxy primer and epoxy topcoat. | | | | | | | | | | | | | | | | | | | | | | | | |
| FEATURES | <ul style="list-style-type: none"> -Very good acid and chemical resistance -Very good abrasion and impact resistant -Excellent mechanical strength -Outstanding application properties -Abrasion Resistance | | | | | | | | | | | | | | | | | | | | | | | | |
| PHESICAL PROPERTIES | <table border="1"> <tr> <td>Finish</td> <td>Gloss - High Gloss</td> </tr> <tr> <td>Color</td> <td>Gray, Yellow , Red</td> </tr> <tr> <td>Solid by volume</td> <td>100 %</td> </tr> <tr> <td>Specific Gravity</td> <td>1.65±0.1 gr/cm3</td> </tr> <tr> <td>Flash point</td> <td>> 70 °c</td> </tr> <tr> <td>Recommended D.F.T.</td> <td>1000-2000 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>1-0.5 m² / Lit</td> </tr> <tr> <td></td> <td>Practical coverage depends on loss factor</td> </tr> <tr> <td>Touch dry (man traffic)</td> <td>24 hrs. at 20° c</td> </tr> <tr> <td>Hard dry (vehicle traffic)</td> <td>72 hrs. at 20° c</td> </tr> <tr> <td>Full Cured</td> <td>7 days. at 20° c</td> </tr> <tr> <td>To Recoat</td> <td>Min 16 hrs. at 20° c , Max 96 hrs. at 20° c</td> </tr> </table> | Finish | Gloss - High Gloss | Color | Gray, Yellow , Red | Solid by volume | 100 % | Specific Gravity | 1.65±0.1 gr/cm3 | Flash point | > 70 °c | Recommended D.F.T. | 1000-2000 microns | Theoretical coverage | 1-0.5 m ² / Lit | | Practical coverage depends on loss factor | Touch dry (man traffic) | 24 hrs. at 20° c | Hard dry (vehicle traffic) | 72 hrs. at 20° c | Full Cured | 7 days. at 20° c | To Recoat | Min 16 hrs. at 20° c , Max 96 hrs. at 20° c |
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APPLICATION

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|-------------------------|----------------------------------------------------------------------------------------------------------------|
| Application method | Putty knife, trowel, Roller |
| Surface temperature | 3 °C min. above dew point |
| Mixing ratio(by weight) | 5:1 |
| Packaging(A+B) | 15KG+3KG |
| Hardener(B) | A275-2006 |
| Washing Thinner | A840-0570 |
| Pot Life | (45 min. at 15 °c) – (30 min. at 25 °c) – (20 min. at 35 °c) |
| Application condition | Environment Temperature should be 10 °C min and 40 °C max The relative humidity should not be more than 80% |

SURFACE PREPARATION

A. NEW WORK:

1. Concrete Floors:

- 1.1. The concrete should have been cured for at least 28 days and have moisture content of less than 4%.
- 1.2. Floors should be sound and free from loose materials and any contamination such as oil and grease that would prevent coating adhesion.
- 1.3. Excess laitance deposits should be removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

B. OLD CONCRETE FLOORS:

- 1.1. A sound, clean substrate is essential to achieve maximum adhesion.
- 1.2. Excess laitance deposits should be removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

C. Filling:

1. Fill the dents and cracks in the surface with mixture of 1 Part of Kansai Epoxy SF Floor Primer and 2 parts of Kansai Fine Aggregate or with Kansai Epoxy filler.

APPLICATION PROCEDURE

A. Anti-Skid:

- 1.1. Mix the base and hardener of Kansai Epoxy chemical and acid resistance Floor Topcoat in the given proportion.
- 1.2. Stir using slow speed drill and paddle.
- 1.3. Pour the mixture on the floor and spread using medium pile hair roller or rubber spreader.
- 1.4. Ensure any loose hair is removed from the roller.
- 1.5. Apply at 200 µ to a smooth continuous film.
It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles.
- 1.6. After 15 minutes, sprinkle Kansai Medium Aggregates to completely cover the base coat.
- 1.7. On complete drying, the whole surface to be thoroughly cleaned by means of brush or vacuum and remove all loose grains.
- 1.8. Finish off by applying second coat by medium pile hair roller, It is important that continuous film is achieved and the rough surface, caused by the aggregate, is completely sealed.

B. Self-Leveling Preparation (1 mm thick coat):

- 1.1. Mix the base and hardener of Kansai chemical and acid resistance Floor Topcoat in the given proportion.
- 1.2. Pour the mixture to another container and add equal part by weight of Kansai Fine aggregate while continuing stirring using power mixer with paddle blade. Mix 3 minutes.
- 1.3. Immediately pour this mixture onto a well primed surface.
- 1.4. Using steel serrated trowel spread the mixture well on to the surface to a thickness of 1mm.
- 1.5. It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles.

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CAUTIONS

- Friable and powdery surfaces require special care before painting; if in doubt, contact manufacturer.
 - For health reasons avoid dusting when preparing fiber cement surfaces. Keep surfaces wet and wash off residues with water.
 - Do not paint under conditions of frost, dew, rain or fog or inclement weather.
- Note:** Painting under the above conditions may affect the performance of the paint film.
- Avoid painting during inclement weather or if temperature is below 10 °C.
 - To ensure colors on a project are consistent check if the batch numbers and/or colors supplied are the same.

STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

SHELF LIFE

12 months from date of production.

SAFETY PRECAUTIONS

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner.
- Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.
- Harmful if swallowed. Do not induce vomiting. Seek medical attention.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Material Safety Data Sheet for complete information.

DISCLAIMER: The information given on this sheet is to the best of our knowledge and accurate at the time of issuing. Since conditions of use are beyond the manufacturer's control information contained herein is without warranty implied or otherwise and the suitability of the material for the use contemplated is the sole responsibility of the buyer. The information contained on this data sheet is subject to modification at any time due to our policy of modification and product development.