

**Tar epoxy resin paint Hydrotar 134**

*Tar epoxy resin paint Hydrotar 134* is two component type paint based on waterborn Tar epoxy resin.

**CHARACTERISTICS**

- It is recommended as a water-based paint for concrete..
- 100 microns can be applied in one painting.
- Being a waterborn agent, it is a environment-friendly product to take the worker's safety into account.
- It has excellent resistance to acid, alkali, salt and water.

**RECOMMENDED USE**

- Wastewater treatment for sewage, wastewater Concrete tank bottom and wall protection.
- Concrete storage tank interior
- Inside the storage tank of wastewater treatment facility
- Maritime structures in a highly corrosive environment
- Protecting structures buried underground

**PHYSICAL PROPERTIES**

- Colors Black.
- Volume Solids 60%
- Recommended Dry Film Thickness  
(maximum thickness 200 $\mu\text{m}$ ) 100 $\mu\text{m}$
- Theoretical Coverage 6.4m<sup>2</sup> /liter (100  $\mu\text{m}$ )  
(0.21kg/m<sup>2</sup>)
- High Gloss
  - \* The discoloration may be occurred under long term exposure of sunlight.
  - \* Discoloration and loss of gloss is observed when it is continued in high temperature
- Chemical Resistance

Exposure	Condensation	fumes
acids	Good	Good
alkalis	Excellent	Excellent
solvents	Good	Excellent
water	Excellent	Excellent
salt	Excellent	Excellent

- Not Recommended for:
  - \* Immersion and exposure to strong acids and solvents.
  - \* Exposure to direct sun light for a long time.It may cause the losing of gloss, discolor and eventually chalk.
- \* It is affected by the temperature exposed during deposition and is not recommended above 50 °C
- Compatibility
  - \* Compatible with most aqueous epoxies However,

please consult with us in advance.

**THINNER**

- Not Required
- If use something water 10%.

**MIXING RATIO**

- A : B = 4 : 1 (by weight)

**PACKING UNIT**

- Main Agent (part A): 16kg
- Hardener (part B): 4kg

**STORAGE CONDITIONS**

- Store it indoors.
- Temperature: 4~43 °C
- Relative Humidity: 0~90% (sealed condition)
- The remained paint should be sealed after use

**SHELF LIFE**

- 12 months (at room temperature)

**PRECAUTIONS**

- Sufficient ventilation and protective gloves, masks and protective gear to wear.
- Keep away from open flames.
- After using leftover paint in direct sunlight to reach the seal must be a cool place.
- Keep out of reach of children to save.
- Absolute intake can cause health disorders or steam inhalation, skin contact, or are not careful.
- In case of ingestion or skin contact, administrate first aid according to notice on container or Material Safety Data Sheet(MSDS), and see the doctor immediately.
- Do not use other purpose except original recommended use.

\* This document is exact, but it can be changed for quality improvement without notice. For more detailed information, contact to Technical Center of ur company.

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SSPC-SP-1.

**SCOPE**

This Direction for use applies to **Tar epoxy resin paint Hydrotar 134**.

This is a standard guide. If there are anything different from the specification at the workplace, please follow the specification.

**WORKING CONDITION**

- Painting Tools: power mixer, brush, roller, air spray, masking tapes and so on.
- Pot Life: 5 hour. (25°C)
- Dry through: 6~7 hours (25°C)/100  $\mu\text{m}$   
It should be dried for at least 5 days (25 °C) when immersed.
- Time to recoat: 1~2 days (25°C)

Surface temperature	Time to recoat	Dry through
10°C	40 hours	10 days
15°C	30 hours	8 days
25°C	16 hours	7 day
32°C	12 hours	5 day

**- Application Conditions**

	Material(°C)	Surface	Ambient	Humidity(%)
min	5	5	5	0
nor	20~25	20~25	20~25	Below 80
max	32	32	35	Up to 85

\* These can be different under the working environments.

\* Do not apply unless surface is 3°C above the dew point.

**SURFACE TREATMENT**

- Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
- Previously painted surfaces should be scraped clean of flaky or peeling paint.
- Needed the proper preparation and recommended a primer.
- The cure time of concrete.

Temperature (°C)	Drying times (days)
24	More than 28
21	30~
10	40~
7	60~

- Remove any oil or grease from surface to be coated with clean rags soaked in JeongSeok Thinner #001, #003 or toluol in accordance with

**DIRECTIONS FOR WORK**

1. Priming
  - Surfaces must be clean and dry.
  - Porous concrete may require a primer to achieve a satisfactory surface for painting.
  - This will improve hydrophobic surface properties.
2. Application **Tar epoxy resin paint Hydrotar 134**.
  - The optimum time to topcoat is when the primer is "touch-tacky".
  - Keep the interval of repainting described and make the thickness of its dried paint film over 1mm.
  - Use moderate rake and trowel.
  - If those maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats.

**PRECAUTIONS**

- Avoid painting in a rainy or humid day (over 85%) and under less than 5°C as it can make poor paint film (Cracks or bad adhesion in the coating layers).
- MSDS is recommended for more information.
- Do not use it under the direct rays of sun in summer.
- Personnel protective clothing should include goggles, rubber gloves, and full length clothing.
- In case of skin contact, remove contaminated clothing and wash affected area thoroughly with soap and water for a minimum of 15 minutes. Then contact a physician.
- Please treat it with the paint 28 days after the cement mortar got the final treatment and it is below ph 9 and 8% moisture content.
- Keep adequate ventilation during the application.
- Keep it away from ignition.
- Make sure that the paint should not be kept for a long time after opening and the remaining paint should be sealed after use.
- Do not apply when air or surface temperature is below 10°C or when rain or high humidity is imminent.

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