

Hawker® ETE HC-401 WB



Technical Data Sheet

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Identification No:

1 268 18

Hawker Epoxy Paint

for Concrete substrates

DESCRIPTION:

Hawker® ETE HC-401 WB is a two component waterborne epoxy used in a variety of applications. It has a long pot life of 6 hours and is usually tack free within 3 – 4 hours. Due to the water permeability and moisture insensitive properties of **HC-401 WB**, it can be applied over damp surfaces, although all standing water should be removed and the top surface allowed to dry. Moisture vapor testing of the surface is recommended before applying **HC-401 WB**.

TYPICAL USES:

- As a sealer - **HC-401 WB** is used as a cost effective topcoat sealer for concrete floors and walls providing a durable, easy to clean surface and is also used as an economical sealer on residential and commercial garage floors, warehouse floors, parking garages, commercial kitchens and bathrooms, hospital floors and many other applications. Apply two coats of **HC-401 WB** at 300 – 400 sq. ft. per gallon each coat.

FEATURES & BENEFITS:

- Long working time of 6 hours and quickly dry to touch
- Can be apply by roller, brush, squeegee,
- Easy to use
- Can be applied over damp surfaces
- Economical coating
- Light odor system

CHEMICAL PROPERTIES*:

	Result
Specific Weight, lb/gal	13.0 (Part A - hardener) : 9.0 (Part B - resin)
Mixed Viscosity, cps	2400 – 2900
Solids by Volume	78.7%
Volatile Organic Compounds **	0.63 lb/gal (75 g/l)
Mix Ratio by Volume	1A (hardener) : 1B (resin)
Pot Life	6 hrs
Recoat, min / max	4 – 6 hrs / 18 – 24 hrs
Tack-free	1 – 2 hrs
Walk on Time (light foot traffic)	8 – 10 hrs (dependent on temp. & humidity)
Return to Service Time (vehicle traffic)	72 hrs
Full Cure	7 days
Coverage Rate per Gallon	300 – 400 sf.ft at 2 – 3 mils DFT
Recommended Temperature Application	≥ 50°F (10°C)
Odor	mild
Color	6 standard colors. Light Green, Donna Red, Sky Blue, Hue Violet, Grey, Dark Green
Shelf Life - Unopened Containers	12 months

*Properties were tested at 77°F (25°C).

TYPICAL PHYSICAL PROPERTIES*:

	Test	Result
Adhesion -Cross hatch	AS TM D-3359	5
Hardness : -Pencil (7 days)	AS TM D-3363	H
Direct Impact Resistance (lbs)	AS TM D-2794	60
Reverse Impact Resistance (lbs)	AS TM D-2794	20
Mandrel Bend, 1/4 inch mandrel	AS TM D-522	Pass
60° Gloss		90

*Properties were checked on dry films at 5 – 6 mils thick, air dried for 7 days.

MOISTURE VAPOR TESTING: All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floors which is on-grade or below grade, the customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test to give the proper recommendations.

SURFACE PREPARATION: The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. Some surface preparation methods include shot-blasting and scrubbing with detergent or acid washing, neutralizing and rinsing. Existing coating materials should be removed, or if in good condition sanded with 80 – 100 grit sandpaper, to lightly scratch and dull the surface. Going over existing coatings is up to the discretion of the applicator. It is not recommended to apply over concrete with curing or sealing membranes.

MIXING INSTRUCTIONS: The mixing ratio of **Hawker® ETE HC-401 WB** is 1 part A (hardener) to 1 part B (resin).

Mix each component separately. Check the batch number on Part A (hardener) containers. If the batch numbers are not all the same, then mix all containers of Part A together prior to achieve a uniform color. Mix part A and B together (only the amount that can be used within 6 hours) using a low speed drill motor and mixing paddle for 3 – 5 minutes scraping the sides and bottom of the container.

IMPORTANT: Allow the mixed material to sit for 10 – 15 minutes induction time prior to application.

DO NOT use mixed material beyond 6 hours from the mixing time even though

the Hawker® ETE HC-401 WB appears unchanged.

APPLICATION INSTRUCTIONS:

Hawker® ETE HC-401 WB can be applied by roller, brush or squeegee. When using a squeegee it is best to follow immediately behind with a 1/4" – 3/8" nap paint roller to even out any squeegee marks. Keep a wet edge and do not roll into an area once it has begun to set up to avoid color differences. Apply thin to achieve a coverage rate of approximately 300 – 400 sq. ft. per gallon. Allow to dry 4 – 6 hours before applying a second coat. The second coat should be undiluted to achieve the best results. **Hawker® ETE HC-401 WB** may also be applied with airless spray equipment. When spraying, mask off walls and surrounding areas with plastic to avoid over spray. Have adequate ventilation and wear the proper respirator.

NOT RECOMMENDED FOR:

- Do not apply to concrete less than 10 days old.
- Do not apply to concrete with curing or sealing membrane.
- Do not apply to base concrete at a temperature less than 50°F.

CHEMICAL RESISTANCE: **Hawker® ETE HC-401 WB** has good resistance to motor oil, gasoline and transmission fluid. Brake fluid can cause slight softening but usually recovers if removed quickly. **Hawker®** recommends each client conduct their own specific test to determine suitability of this or any other product for their particular application.

COLOR OPTIONS: 6 standard colors: Light Green, Donna Red, Concrete Gray, Dark Gray, Dark Green, Sky Blue. Limited custom colors are available by special order.

HOW SUPPLIED: **Hawker® ETE HC-401 WB** coating is available in 2 gallon and 30 gallon kits.

STORAGE: ≤ 50°F (10°C). Do not let freeze.

SLIP/FALL PRECAUTIONS: Concrete Solutions recommends using slip resistant granules in all outdoor applications where the SB Urethane will be used as a topcoat sealer and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Aluminum oxide granules #80 grit or courser may be broadcast into the prime coat to achieve the amount of slip resistance desired. It is the end user's responsibility to determine the suitability of a coating for their particular application. Concrete Solutions or its sales people will not be responsible for injury incurred in a slip/fall accident.

SAFETY PRECAUTIONS: Health Considerations: Consult the Material Safety Data Sheets

This chemical system requires the use of proper safety equipment and procedures. Please follow the MSDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of

Hawker® ETE HC-401 WB. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by **Hawker®** will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

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