



TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

UGT H2S SAFE is a 100% solids, two-component bisphenol A epoxy system, designed as a coating/liner for concrete pipe, manholes and secondary containment applications. **H2S SAFE** is provided in a convenient pre-measured, two-package kit complete with mixing container for use in field applications. **H2S SAFE** provides excellent adhesion to concrete and steel surfaces.

UGT H2S SAFE provides excellent resistance to sulfuric acid, sodium hydroxide, detergent, bleach, gasoline and other common waste water contaminants. The use of a **UGT** primer VF 30 is recommended to reduce pinhole formations and improve adhesion values.

USES								SURFACE PREPARATION							
<ul style="list-style-type: none"> • Secondary Containment • Good Chemical Resistance • Sewer Pipe Coatings • Good Wear and Impact Resistance • Concrete Pipes • High Build Membrane • Manholes 								Surface must be clean and free from contamination. Concrete surfaces must be prepared according to NACE Standard RP0892-92. All surfaces must be free from dust, moisture, oils and contaminants. Concrete must be a minimum of 28 days old. Concrete surfaces must be primed with VF 20, 30, 31 or 32, according to manufacturer instructions. Application of H2S SAFE must meet manufacturer's applications specifications. Please consult UGT for details							
COVERAGE								PACKAGING							
25 sq. ft at 65 mil								<u>Two and One-half Gallon Kit:</u> Individual, pre-measured bags of 'A' and 'B' in a 5 gallon pail.							
Mils	10	15	50	60	80	100	125								
Sq. Ft.	160	107	32	27	20	16	13								
Tools Required								STORAGE							
<ol style="list-style-type: none"> 1. Drill 2. Jiffy type mixer, 3. Small disposable paint roller low nap. 4. Various Trowels 								One year, in original unopened factory containers, under normal storage conditions of 13 °C (55 F) to 35 °C (95 F). Protect from freezing.							
INSTRUCTIONS								CLEAN UP							
<ol style="list-style-type: none"> 1. Prime substrate with VF30 2. Carefully open each pre-packaged container and add to mix vessel. Mix contents of part 'A' and part 'B' using a Jiffy type mixer until uniform color is achieved. 3. Application may be made either with a stiff paste brush, low nap disposable roller, or steel trowel to a thickness of 65 mils. 4. Work the H2S SAFE into the surface by applying a "scratch coat" with a steel trowel and then finishing in a crosshatch pattern to build mil thickness. 5. Do not use when ambient or operating temperatures that come in contact with the installed lining system exceed 49 °C (120 F) 6. High ambient or surface temperatures can reduce the viscosity, resulting in a reduced total mil thickness. If a second coat is necessary, recoat within 4-6 hours. 								Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws. Tools can be wiped clean with MEK or Acetone while still uncured. If the H2S SAFE is cured, remove by mechanical means or soak in MEK.							
								SAFETY							
								Material Safety Data Sheets available @ ugroundtech.com Basic safety for personal protection is: • Long-sleeve overalls or disposable Tyvex overalls • Rubber gloves • Splash shield or safety glasses with splash guards • Rubber or leather boots • Respirator • Do not use near high heat or open flame • Do not take internally • Keep out of the reach of children							



Physical Properties -

Cured Film Properties	Test Method	Typical Value
Solids Content		100%
Adhesion to Concrete	ASTM D4541	Concrete failed
Gel Time-Tack Free	Dependant on ambient temperature	6-7 Hours
Working Time	Dependent on ambient temperature	45 minutes (2 ½ gallon)

Limitations - Do not use when ambient or operating temperatures that come in contact with the installed lining system exceed 49°C (120°F).

Chemical Resistance

ASTM D-1308 24 Hour Immersion			
Coffee	no effect	Transmission Fluid	no effect
Vegetable Oil	no effect	Skydrol	no effect
Mustard	no effect	Mineral Spirits	no effect
Whiskey	no effect	10% Hydrochloric Acid	no effect
Urine	no effect	10% Sulfuric Acid	no effect
Gasoline	no effect	10% Acetic Acid	no effect
Motor Oil	no effect	MEK	film destroyed
Brake Fluid	no effect	Xylene	slight softening, film recovers