

HTS TECHNICAL DATA SHEET

HTS 900 HIGH PERFORMANCE EPOXY COATING *AG. CANADA APPROVED*

DESCRIPTION

HTS 900 is a two-component, self priming, solvent based epoxy coating that has *AG Canada* approval for incidental food contact. **HTS 900** forms a tough, chemical resistant surface with outstanding physical and corrosion properties and is designed to resist the ill effects of power washing and cleaning. **HTS 900** can be used for a wide variety of projects that require a tough, durable surface and is best suited for the protection of wood, cindercrete block, steel or concrete surfaces. **HTS 900** is supplied in a convenient 1:1 ratio and can be brush, roller or sprayed applied for easier project application. Consult HTS for specific application recommendations.

RECOMMENDED USES

Food processing plants, coolers & freezers
Processing machinery maintenance
Shower and locker rooms
Concrete floor and wall protection

ORDERING INFORMATION

2 gallon Kits
10 gallon Kits
110 Gallon Kits

AG CANADA APPROVAL#

3100-3/H143

FREIGHT CLASSIFICATION

Class 3, UN1263, Pkg Group II

TYPICAL WET PROPERTIES

| | |
|------------------------------------|----------|
| Solids - by Weight | 77% |
| - by Volume | 63% |
| Cure schedule @ 75°F - to touch | 2 hours |
| - to handle | 10 hours |
| - immersion | 7 days |
| Pot life @ 75°F | 8 hours |
| @ 100° | 3 hours |
| Substrate Temperatures °F -Minimum | 50 |
| -Maximum | 125 |

COVERAGE:

1010 mil sq.ft. per US Gallon theoretical 60 sq feet per gallon at 17 mils

| | STEEL | WOOD | CONCRETE |
|------------------------------|--------------|-------------|-----------------|
| As a coating | 60 sq.ft. | 60 sq.ft. | 60 sq.ft. |
| 17 dft thickness recommended | (17 dft) | (17 dft) | (17 dft) |

Thickness required will vary depending on substrate condition and type of service the project involves. Allow extra for waste to the above coverage chart. Contact HTS for thickness requirements.

FEATURES

Ease of Handling: HTS 900 is easily applied by brush, roller or airless spray equipment capable of 3000 psi output.

Durable Finish: HTS 900 exhibits excellent abrasion resistance which will provide a tough long lasting durable surface needed for most maintenance applications. Resists pressure washing and cleaning detergents.

Superb Chemical Resistance: This self priming epoxy system provides excellent corrosion and chemical resistance while sealing the substrate from enzyme and bacterial attack.

PHYSICAL PROPERTIES OF CURED MATERIALS

| PROPERTY | ASTM TEST | VALUE |
|--------------------------------------|----------------------------|--------------------------|
| Water Absorption | D 570 | 0.10% |
| Gloss | 60 H | 5-10 |
| Compressive Strength | C 569 | 80 mpa |
| Hardness | D 2240 | 82 Shore D |
| Abrasion Resistance CS-17@ 1000 revs | D 1044 | .07 grams |
| Temperature Resistance | Continuous Intermittent | 250°F 275°F |
| Recoat Window | Minimum Maximum | dry to touch 72 hours |

APPLICATION DETAILS

- Provide suitable ventilation for solvent evaporation during application and curing.
- Stir individual components thoroughly with a 200 to 300 RPM mixer.
- Mix together, equal volumes of A & B for a minimum of 5 minutes with a high shear mixer
- Mixed product may be thinned with a maximum of 5% xylene
- Allow mixed material to stand for 20 minutes, then remix prior to spraying, rolling or brushing
- Use a .017 - .023 reversatip for application of HTS 900

- Always use protective clothing and respirators. See MSDS for details

HESTERMAN TECHNICAL SERVICES, INC

HTS Head Office 190 Hodsman Road, Regina, SK. Phone 306-721-1339 Fax 306-721-3770
HTS Quebec Montreal, QC. Phone 450-434-4949 Fax 450-434-4051
HTS Alberta Calgary, AB Phone 403-226-0655 Fax 403-226-6354
HTS Ontario Oshawa, ON Phone 905-449-0707 Fax 905-571-1855

WEB SITE: WWW.HTS-Urethanes.com

Email: hts@accesscomm.ca