HTS 7995

100% SOLIDS PURE POLY UREA COATING

DESCRIPTION

HTS 7995 is a 100% solids "fast set" two-component spray applied 100% poly urea coating system. This coating forms a tough, durable, flexible membrane with outstanding impact resistant properties. This spray applied coating has zero VOC, does not contain any solvents and is supplied in a convenient low viscosity 1:1 mix ratio.

HTS 7995 is used as a direct to metal (dtm) coating system for the exterior of pipe and can also be used for projects over other substrates including: eps, urethane foam, wood or concrete (primers may be required) involving primary or secondary containment. Heated high pressure plural component pumps are required for application of **HTS 7995.** Consult HTS for specific recommendations on surface preparations or primer needs.

RECOMMENDED USES

External Pipe Coating
Waterproofing
Containment
Abrasion Resistant Applications

ORDERING INFORMATION

10 Gallon Kits
110 Gallon Kits
Standard colour is grey

TYPICAL WET PROPERTIES

	ISO	POLYOL
Viscosity at 25 C	500 cps	600 cps
Solids: by weight by volume	100 % 100 %	100 % 100 %
VOC	0	0
Flash Point	>200 C	>200 C
Appearance	Amber	Grey
Weight per US Gallon	9.0 LBS $\pm$ .5	8.0 LBS $\pm$ .5
Shelf Life - unopened	9 Months	12 Months

FEATURES

COLD TEMPERATURE TOLERANCE: HTS 7995 exhibits flexibility at temperatures to -40C making this an ideal product for high impact applications.

U.V. STABILITY: HTS 7995 is an aromatic 100% poly urea coating. The membrane can be left exposed to UV and maintain its structural integrity although discolouration will occur in colours other than black. Recoat windows will apply.

HIGH TEMPERATURE RESISTANCE: HTS 7995 is a 100% poly urea formulation which provides high heat tolerance compared to conventional urethane chemistries making the HTS 7995 the coating of choice for higher temperature projects. Applications will vary, please consult HTS for specific limits but for dry heat applications a maximum of 300 F can be obtained.

IMPACT RESISTANCE: HTS 7995 has outstanding impact resistance that protects against damage during the backfill process of pipeline construction.

CONVENIENT MIXING RATIO: HTS 7995 is supplied in a convenient 1:1 mixing ratio by volume. This product must be sprayed through heated high pressure plural component spray equipment capable of maintaining 2200 psi output at 160 degees F and 1.5 gallons per minute.

PHYSICAL PROPERTIES OF CURED MATERIALS

PROPERTY	ASTM TEST	VALUE
Tensile Strength	D 412	2550 PSI ± 100
Elongation	D 412	250 %
Hardness	D 2240	95 Shore A
Low Temperature Resistance	D 1737 1/2" Bend	Rated at - 40 C
High Temperature Resistance	Dry Heat	300 F
Moisture Vapour Transmission - Perms	30 mil	0.028 perms
Tear Strength	ASTM D-624 DieC	400 PLI

HESTERMAN TECHNICAL SERVICES, INC

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COATING APPLICATION DETAILS OF HTS 7995

1. Potlife of HTS 7995 is 15 seconds do not pot mix this product. High Pressure plural component spray equipment is required to use this product.
2. "B" component must be mixed for 20 minutes daily using high speed shear mixer prior to use. Be carefull to not cross contaminate the A and B individual components.
3. Do not introduce moisture to either A or B component.
4. Do not thin this product.
5. A & B components must be preheated to 80-90 F prior to use. Do not re-circulate. Use band heaters or "hot box" methods to preheat.

APPLICATION CONDITIONS

	Minimum	Maximum
Ambient Temperature	35 F (2 C)	120 F (49 C)
Relative Humidity	0 %	85 %
Substrate Temperature	45 F (7 C)	100 F (38 C)

EQUIPMENT SETTINGS

Storage - *do not freeze*	70 F (20 C)
Container Pre-Heat	80-90 F
Primary Heater Setting	150 F
Hose Heat Setting	150 F
Output Pressure	2200 psi

COATING CURE SCHEDULE

	70 F - 100 F	45 F - 65 F
Surface Dry (tack free)	<1 minute	10 minutes
Recoat - minimum*	1 minute	10 minutes
- maximum	2 hours	6 hours
Full Cure	24 hours	3 days

*It is critical that the first pass of coating be completely tack free prior to subsequent pass being applied. For applications that are beyond the recoat window consult HTS for details.

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