

HTS 7625

100% solids *ALUMINIZED* ROOF COATING

DESCRIPTION

HTS 7625 is a 100% solids two-component spray applied "poly urea" moisture tolerant coating system. HTS 7625 is UV tolerant membrane with outstanding chemical resistance that is ideal as a single pass fast set waterproof elastomer for roofing applications. This monolithic, seamless coating offers superb dependability for a broad range of applications and is supplied in a convenient low viscosity 1:1 mix ratio by volume with the pigment on the B component (resin side).

The physical characteristics of HTS 7625 allows for superior performance and quick single pass applications over urethane foam substrates. HTS 7625 is tack free in 10-30 seconds, for multiple pass applications ensure the first pass is completely tack free prior to application of second or subsequent pass.

HTS 7625 can be used for projects over various substrates including: urethane foam, wood, metal, HTS approved fabrics, concrete. Heated high pressure plural component pumps capable of maintaining 2000 psi are required for application of HTS 7625. Primary heaters and hose heater must be able to maintain 145 F to the spray gun. Consult HTS for specific recommendations on surface preparations. Colour is Aluminum.

RECOMMENDED USES

Urethane Roofing Systems
Waterproofing

ORDERING INFORMATION

10 Gallon Kits
110 Gallon Kits

FREIGHT CLASSIFICATION

Non - regulated

TYPICAL WET PROPERTIES

| | ISO | POLYOL |
|-----------------------|-------------------|----------------------------|
| Viscosity at 25 C | 1300 cps \pm | 1950 cps \pm |
| Solids: By weight | 100 % | 97 % |
| By volume | 100 % | 96 % |
| V.O.C. | 0 | Pigment 27 grams per litre |
| Flash Point | >200 C | >200 C |
| Appearance | Amber Liquid | Aluminum Liquid |
| Weight per US Gallon | 9.25 LBS \pm .5 | 10.6 LBS \pm .5 |
| Shelf Life - unopened | 9 Months | 9 Months |

FEATURES

U.V. STABILITY: HTS 7625 is an aromatic poly urea coating ideal for use as a “one shot” fast set roofing elastomer or exterior containment lining. The membrane can be left exposed to UV and maintain its structural integrity however loss of gloss on coating surface will occur.

SUBSTRATE VERSATILITY: HTS 7625 can be applied to a wide variety of substrates with proper surface preparation and primers. Consult HTS for specific recommendations.

PIGMENTATION: HTS 7625 contains pigment on the iso (B) component. Remove spray gun screens and pump screens on the “B” component to prevent clogging of screens with aluminized pigment. Mix **B** component individually using high speed shear mixer for 15 minutes each prior to using, mix daily.

PHYSICAL PROPERTIES OF CURED MATERIALS

| PROPERTY | ASTM TEST | VALUE |
|----------------------------|-----------------|--------------------------|
| Tensile Strength - film | D 412 | 1500 PSI \pm 100 |
| Elongation | D 412 | 225 \pm 20% |
| Hardness | D 2240 | 80 Shore A |
| Low Temperature Resistance | D 1737 1/2"Bend | Rated to - 40 C |
| Water Absorption | ASTM D 471 | 2.5 % Max |
| Water Vapour Permeability | E-96 method B | 0.02 Perms |
| Tear Resistance | D 624 | 210 PLI |
| Weatherability - 15 Years | ASTM-G53 | No Visible Deterioration |

HESTERMAN TECHNICAL SERVICES, INC

HTS Head Office 190 Hodsman Road, Regina, SK.

Phone 306-721-1339

Fax 306-721-3770

HTS Alberta Calgary, AB

Phone 403-226-0655

Fax 403-226-6354

HTS Ontario Mississauga, ON

Phone 905-826-4851

Fax 905-826-7436

HTS B.C. Kelowna, BC

Phone 250-826-0655

Fax 250-764-2948

HTS Quebec Boisbriand, QC.

Phone 450-434-4949

Fax 450-434-4051

WEB SITE: WWW.HTS-Urethanes.com

Email: hts@hts-urethanes.com

COATING APPLICATION DETAILS OF HTS 7625

1. Pot life of HTS 7625 is short do not pot mix this product. High Pressure plural component spray equipment is required to use this product.
2. Paste Pigment is contained in the B component of this product and will settle if not mixed daily. "B" component must be mixed for 20 minutes daily using high speed collapsible blade mixer prior to use. Coating not mixed adequately will appear streaky and will not achieve physical properties typical for the coating.
3. Do not introduce moisture to either A or B component.
4. Do not add thinner to this product.
5. A & B components must be conditioned to 90-100 F prior to use. Do not re-circulate. Use band heaters or "hot box" methods to condition.
6. Remove all screens on the B component side of the pump and spray gun.
7. HTS recommends the use of air purge spray guns with a 01 tip size or equivalent for application of HTS 7625.

APPLICATION CONDITIONS

| | Minimum | Maximum |
|-----------------------|------------|--------------|
| Ambient Temperature | 40 F (8 C) | 120 F (49 C) |
| Relative Humidity | NA | 85 % |
| Substrate Temperature | 45 F (7 C) | 100 F (38 C) |

EQUIPMENT SETTINGS

| | |
|--------------------------------|-------------|
| Storage - <i>do not freeze</i> | 70 F (20 C) |
| Container Pre-Heat | 90-100 F |
| Primary Heater Setting | 140-150 F |
| Hose Heat Setting | 140-150 F |
| Output Pressure | 2200 psi |

COATING CURE SCHEDULE

| | 70 F - 100 F | 45 F - 65 F |
|-------------------------|--------------|-------------|
| Surface Dry (tack free) | 1 minute | 2-5 minutes |
| Recoat - minimum* | 1 minute | 10 minutes |
| - maximum | 6 hours | 24 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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