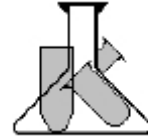


KAMSONS CHEMICALS PVT. LTD.



TECHNICAL DATA SHEET

DuraTex Speaker Cabinet Texture Coating

DuraTex is a high performance protective texture coating with tremendous adhesion to wood and other substrates. It can be spray applied to create a tough, beautiful, weather resistant and easily maintained texture surface. **DuraTex** was designed to provide beauty and protection to wood speaker cabinets, road cases and other applications. **DuraTex** is a blend of highly technical polymers, and special LOW V.O.C coalescents for creating beautiful high relief spatter textures. DuraTex requires no special primers and is easily applied with Hopper Gun, HVLP Pressure pot, brush or textured roller. Available In Black or White, Spray or Roller Satin Finish and Custom Colors

TECHNICAL DATA: (Black/White)

V.O.C.: 1.18#/Gal. (142g/L)

Solids by Weight: 42/63%

Solids by Volume: 39/49%

Resin System: Urethane Modified Terpolymer

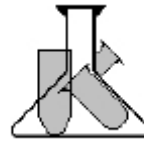
Weight per Gallon: 9.0#/11.5#

Cleanup: Soap and Water on fresh material, and Xylene or Toluene on dried material

SURFACE PREPARATION: All substrates must be clean and dry with no oils, silicones, waxes or other contaminants. Sand surfaces before application and remove all sanding residue. Bare wood surfaces need not be primed; however a base coat of DuraTex can be applied as its own primer.

APPLICATION: By ROLLER Apply roller grade by brush or roller to evenly coat the surface. A heavy first coat followed by a lighter second coat will give a milder texture. A heavy second coat will produce a more aggressive texture. Adding a small amount of water to the product will reduce the texture profile and can provide more of an orange peel texture.

By SPRAY: Apply **spray grade** by Hopper Gun, pressure pot or airless spray system in a complete even coat to the entire surface to completely seal and protect the surface. Once the base coat is dry, apply a spray texture coat by lowering the air break-up pressure. Spray pressures will be dependent on the type of spray equipment being used. Test the spray application technique first on a piece of cardboard and note pressure settings needed to accomplish the finish desired. Typical pressure pot base coat application uses only 10 to 15# of fluid pressure and 30# of air pressure. Texturing uses 20# of fluid pressure and only 5-10# of air pressure. Higher air pressure=smaller dots. Lower air pressure produces larger dots. Higher fluid pressure + Higher air pressure produces a smoother, orange peel surface. Multiple color spatters create a "stone look" finish!



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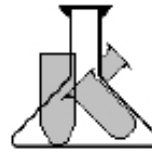
Allow all materials to dry thoroughly through air drying or forced drying in a baking oven. Do not exceed temperatures of 150° F for drying. Heating speeds up the curing process of DuraTex but normal air drying will accomplish the same finished result over time. (Oven heating is optional, but facilitates rapid production throughput.) Do not apply this product to damp surfaces or when surface temperature is or will be below 65° F and when Relative Humidity is above 70%.

STORAGE:

To store containers that have been previously opened, spray a fine mist of water onto the coating surface in the container before resealing the lid. This raises humidity levels in the container and can help prevent the product drying or skinning over in the container.

HMIS RATINGS: HEALTH -1 FLAMMABILITY -0 REACTIVITY -0 PERS. PROT.: HANDLING B APPLICATION G

CAUTIONS : Keep from freezing. Use only with adequate ventilation. Wear niosh approved organic vapor cartridge mask when applying or sanding in confined area. Do not take internally. Close container after each use. Keep out of the reach of children! Avoid eye and skin contact. Wear goggles. Shelf life at least one year when stored at 75°F in original unopened containers.



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High Build Speaker Cabinet Texture Coating

DuraTex High Build is a Black Satin, high performance protective texture coating that has tremendous adhesion to wood and other substrates. It can be spray applied to create a tough, beautiful, weather resistant, HIGH BUILD and easily maintained texture surface. DuraTex HB was designed to provide beauty and protection to wood speaker cabinets, road cases and other applications. DuraTex HB is a blend of highly technical polymers, and special LOW V.O.C coalescents for creating beautiful high relief spatter textures. DuraTex HB requires no special primers and is easily applied with Hopper Gun, HVLP Pressure pot, brush or textured roller.

TECHNICAL DATA:

% Solvent by Wt: 4.37%

Viscosity: 8-10 Kcps

Solids by Weight: 58%

Resin System: Proprietary TerPolymer Blend

Cleanup: Soap and Water on fresh material, and Xylene or Toluene on dried material

V.O.C.: 0.72#/Gal. (87g/L) (VERY LOW VOC)

Hardness: Tg +30°C

Solids by Volume: 51%

Weight per Gallon: 9.54#

SURFACE PREPARATION: All substrates must be clean and dry with no oils, silicones, waxes or other contaminants. Sand surfaces before application and remove all sanding residue. Bare wood surfaces need not be primed; however a base coat of DuraTex HB can be applied as its own primer.

APPLICATION: Apply DuraTex HB spray grade by Hopper Gun, pressure pot or airless spray system in a complete even coat to the entire surface to completely seal and protect the surface. Once the base coat is dry, apply a spray texture coat by lowering the air break-up pressure. Spray pressures will be dependent on the type of spray equipment being used. Test the spray application technique first on a piece of cardboard and note pressure settings needed to accomplish the finish desired. Higher air pressure=smaller dots. Lower air pressure produces larger dots. Higher fluid pressure + Higher air pressure produces a smoother, orange peel surface.

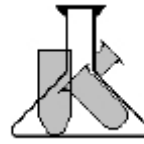
Allow all materials to dry thoroughly through air drying or forced drying in a baking oven. Do not exceed temperatures of 150° F for drying. Heating speeds up the curing process of DuraTex HB but normal air drying will accomplish the same finished result over time. (Oven heating is optional, but facilitates rapid production throughput.) Do not apply this product when surface temperature or ambient will be below 65° F or with Relative Humidity levels above 70%.

STORAGE: To store containers that have been previously opened, spray a fine mist of water onto the coating surface in the container before resealing the lid. This raises humidity levels in the container and can help prevent the product drying or skinning over in the container

HMIS RATINGS: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

PERSONEL PROTECTION: HANDLING B APPLICATION G

CAUTIONS: Keep from freezing.use only with adequate ventilation.wear niosh approved organic vapor cartridge mask when applying or sanding in confined area. Do not take internally. Close container after each use. Keep out of the reach of children!Avoid eye and skin contact. Wear goggles. Shelf life at least one year when stored at 75of in original unopened containers.



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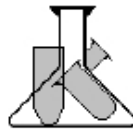
Speaker Cabinet Texture Coating Foam Pro Specialty Paint Rollers for Textured Finishes

These specialty, open cell foam rollers impart a beautiful texture and do it more effectively than any textile or sponge roller. They allow you to make an extremely uniform texture and they're easy to use.

You can achieve either a coarse texture or a fine texture depending on the amount of DuraTex you apply per coat. You can then lightly roll over the wet DuraTex to impart a lighter texture if so desired.

These rollers are super easy to clean and you can re-use them over and over again. As soon as you're done roller coating just simply wash the roller out with plenty of water and let it dry. Unlike other textile and sponge rollers, these open cell foam rollers wash out completely clean and ready to go.

The 4" size is perfect for small to medium size enclosures and for getting into crevices and tight areas. The 9" roller is great for large enclosures or for applying DuraTex to any large area.



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Acoust-X

Sound Damping Coating For Speaker Cabinet Interiors (MDF or Plywood)

Acoust-X is a heavy bodied, LOW DENSITY, water based coating formulated with hollow ceramic microspheres, sound absorbing fillers and high adhesion resins. Acoust-X is for use on the interior surfaces of speaker cabinets to reduce unwanted sound distortion. The combination of a high loading of the LOW DENSITY Ceramic Microspheres with their vacuum centers and the absorbent pigment fillers reduces sound transmission and reflection by up to 30%. Acoust-X helps reduce "Echo". This product is an easy to apply surface coating and an inexpensive solution for reducing sound transmission. Acoust-X is the ideal coating for inside speaker cabinets and can be rolled on, brushed on or sprayed with a hopper gun sprayer.

Advantages:

- Excellent sound dampening
- Incredible Adhesion to wood surfaces
- Fast drying
- Very Flexible
- Won't crack or peel

Environmentally friendly

- Soap and Water Cleanup
- Light Gray but can be painted over
- Non toxic
- Application: Brush, Roller or Hopper Gun

Application Instructions:

Substrate must be clean and dry before you apply Acoust-X
For best results apply in two moderately thick layers and allow to dry between coats. A stippled surface is more sound dampening than a smooth surface, so don't worry about trying to smooth the coating out too much.

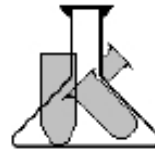
Brush Application: Brush on a heavy coat at least 3 times heavier than typical paint and allow to dry. Dabbing in the wet material helps create a rougher, more efficient layer. Apply second coat if necessary after first coat has dried.

Roller Application: Use a 3/4" nap and up to a 1-1/4" nap to create a thick, rough layer. Apply second coat if necessary after first coat has dried.

Hopper Gun: Use a large orifice and allow the Acoust-X to spatter the inside of the cabinet. Do not try to make the coating smooth, it works best with a rougher finish.

Coverage: Approximately 50 to 75 sq feet per gallon
(At 50 square feet per gallon, the yield will be 23 dry mils of soft, flexible, sound absorbing coating)

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The **DuraTex Coatings** are quite complex formulations that require more diligence in application than do typical wall paints. In order to achieve the hardness and durability in the finished product, DuraTex contains some very strong additives to knit the film to make it tough, weather resistant and beautiful.

Temperature and Humidity levels at the time of application play a large part in the success or failure of the application. Here's why...

HUMIDITY EFFECTS: As a latex product, DuraTex contains water. It is imperative that the water evaporate out of the product within a certain time frame in order for the remaining solvents in the product to be able to begin the curing process. First the product has to dry, then it begins to cure and with a little time or heat, the curing is complete.

The product cures as the small amount of slow evaporating solvents in the coating knit the film together after the water evaporates BUT, before the solvents evaporate. Film formation problems can happen when the water portion of DuraTex evaporates too slowly while the slow evaporating solvents are also leaving the film. When the water portion slowly evaporates, there are no solvents left to knit the film. This is what happens when DuraTex is applied in very high Relative Humidity conditions. DuraTex should not be applied when the R.H. is above 70% as this means it will take a long time for the DuraTex to dry because the surrounding air is already concentrated with more than 70% of the water vapor it can hold and it can't hold much more. A slow drying means that the film may not form correctly as there will be too low a concentration of remaining solvents to make the film tough and durable. In extreme cases, cracking, checking, a rubbery feel and lack of adhesion will result.

Make sure that the Relative Humidity is below 70% for best results.

TEMPERATURE EFFECTS: When DuraTex is applied there is a surface cooling effect that happens as the water begins to evaporate. You may find that what was a 60° surface is now a 55° or even 50° surface depending on how much of a breeze is blowing from fans, etc.

At temperatures below 55°, the coating will NOT cure properly. It's similar with epoxy products, cool temperatures become a problem for proper curing. DuraTex likes heat! It's best when the surface temperature and the surrounding air temperatures are at 70° and higher. Even 95° is not a problem as long as the Relative Humidity is below 70% (see above).

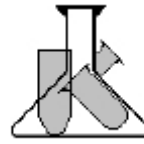
When the temperature is low, the film will not form correctly and the product (even though it is dried) will not adhere, will have cracks and checks and will not have any film integrity.

APPLICATION TEMPERATURE AND HUMIDITY RANGES:

Over 65°F with Relative Humidity levels below 70% if temperatures are below 70°, do not use fans as this will cause the surface temperature to drop below the critical point and improper curing can result.

Note:

Radio Shack sells an Indoor/Outdoor Thermometer with Hygrometer for only \$19.99 so you can always know what the temp and humidity levels are in your work area



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Applying Dura Tex (Tips and Tricks)

DuraTex will adhere to all wood surfaces and will also adhere to painted surfaces provided the surfaces are sanded smooth and all gloss is removed from the substrate. Surfaces that are sanded should be wiped to remove all sanding residue and should be clean and dry prior to application.

Mask off any hardware that may be already installed on the cabinet. It's best to remove hardware and reinstall it after the application of DuraTex.

No primer is needed on bare wood or on well sanded latex paint as DuraTex is self-priming and has great adhesion.

If spraying the DuraTex with a hopper gun, be sure to spray in an area with a drop cloth or plastic film on the surrounding walls and floor. Overspray will stick real well to whatever it hits so be sure the area is protected. A spray booth is not required as there are no dangerous fumes of solvents released, but overspray can make a mess!

The Protective Coat: The first coat of DuraTex is the protective coat. This coat completely seals the surface against moisture so it is critical that this coat is uniform with no voids, light areas, pinholes or other imperfections. You can apply this first coat in a number of different ways including: textured foam roller (we have one that works well), a paint brush (be careful to brush out smoothly and avoid brush marks), a typical paint roller with 1/4" or 3/8" nap, HVLP pressure pot sprayer, a hopper gun or any other means by which a relatively smooth or "orange peel" surface can be accomplished. This first coat must be applied quite a bit heavier than typical latex paint. The first coat should be approximately 10 wet mils which would result with an application rate of 130 square feet per gallon (26 square feet per quart, or about 1 ounce per 1 square foot). If applying by roller, remember that a lot of material will be needed to fully wet out the roller so more will appear to be consumed when you consider the roller holds a lot.



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Once the first coat of DuraTex has been applied and has dried to the touch, carefully inspect to insure that the coating is uniform and that it completely covers the substrate. You can sand any grain raise to smooth the surface if desired. If any imperfections are found, reapply the DuraTex to the affected area and allow it to thoroughly dry before proceeding.

IF THE SPEAKER CABINETS ARE TO BE USED IN AN OUTDOOR SETTING, apply a second full protective coat of **DuraTex** to increase the protection level required for exterior service. Once this protective coat is applied satisfactorily and dry, you can apply the texture coat. No sanding is required between coats as DuraTex has incredible adhesion.

The Texture Coat: Creating a texture with DuraTex is simple. You can accomplish this with our textured roller, a sea sponge faux finishing roller, HVLP pressure pot sprayer or a hopper gun. This texture coat will be applied differently than the protective coat and it will be important for you to test the application method to be sure it will create the desired texture. Test this out on a piece of flat cardboard before you apply the DuraTex to your cabinet.

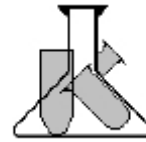
The texture roller creates a nice even texture unless you apply the product too heavily in which case it will create a very aggressive texture. A medium coat rather than a heavy coat will give a better result, and you might find that rolling the texture out in a thinner layer will produce the texture design you like. Experiment to find an application technique that creates the texture you desire. Adding a small amount of water to the finish coat or base coat will result in a smoother surface texture.

The HVLP pressure pot should only be used by large volume cabinet producers. It is a very intricate system with a lot of very critical components that require a lot of maintenance and care in order to produce the best finish. Generally speaking, the pressure pot to spray the DuraTex requires a ½" fluid line of not more than 10', a fluid pressure of around 30 psi and an air breakup pressure of 20 – 35 psi. Also, if you are using the HVLP pressure pot system, you **MUST** have a large needle, air cap and seat. We suggest the 1.7mm orifice or larger for your gun assembly.

A hopper gun, like that used in drywall finishing is a great way to apply the texture coat. By adjusting the air flow to a low level and pulling the trigger to release the DuraTex, it spatters on the surface in small to large drops and you can add or reduce the air flow to create the size texture drops that you desire.

Practice with a piece of flat cardboard and note the trigger pull, the air flow and the orifice size you used in accomplishing the texture so that you can reproduce the texture look you desire. This application method is effective and easy to accomplish a professional look. When applying the protective coat with the hopper gun, increase the airflow and reduce the trigger pull so that you are lightly spraying on the DuraTex in an even manner.

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If you find that after the application of the texture coat, the texture is not quite what you wanted, you can apply the DuraTex right over it to create the texture you want. Practice, practice and practice again so you are familiar with the technique required to product the texture look you desire.

Once the DuraTex is dry, you can assemble the hardware and complete the cabinet.

CURING: DuraTex will air dry and the drying time will depend on the amount of relative humidity in the area. On real dry days with low relative humidity, the product will dry within an hour. On hot muggy, rainy days with high relative humidity, it may take 2 or 3 hours to dry fully.

Once the DuraTex is dry, it begins to cure. You will notice that the freshly dried DuraTex may feel a little soft and you can indent it with your thumbnail. Don't worry. DuraTex will cure to a hard finish within a few days and it gets its maximum toughness after about 7 days. You can speed up this curing process by the addition of heat such as in a drying oven by raising the temperature to 140 degrees and drying the cabinet for about 30 minutes. That makes handling, stacking and packaging easier for rapid shipping.

CLEAN UP: DuraTex is a waterbased material and cleans up easily with water while the DuraTex is still wet. If you want to remove dried material, use Xylene, Toluene or other strong solvent or paint stripper. Flush out your roller nap immediately after using and it can be used many times again. Flush out the hopper gun, disassemble the air cap and make sure the inside of the hopper is clean, and then allow to dry. If some of the product has dried in the hopper gun, soak in solvents to loosen the product and flush thoroughly.

IMPORTANT TIP FOR STORAGE: If you finish the job and have a partial can of DuraTex left over, just sprinkle a little water on the top of the remaining DuraTex in the pail (a spritz bottle works good for this) then seal the can again. Make sure there is no wet or dried coating along the top edge of the pail or on the inside of the lid so it will seal well. That way, the dead air space in the bucket will have a little moisture to raise the humidity level and prevent skinning of the DuraTex. Whenever you're ready to use the product again, stir the little bit of remaining water into the coating and you're ready to go.

If you mistakenly put too much water on top of the DuraTex, you can pour the water off and then stir the contents of the pail and reincorporate the slight amount of remaining water. Too much water stirred into the coating will reduce viscosity and you may not get the texture finish you desire. A bit of water will not hurt the product; it will just lower the viscosity slightly.



MATERIAL SAFETY DATA SHEET

PRODUCT: DuraTex Texture Coating

HMIS HAZARD: 1 0 0 X HANDLING

PERSONAL PROTECTION: HANDLING B

PRODUCT CODE: KAMICRYL DURATEX

1 0 0 X SPRAYING

SPRAYING G

SECTION I – Manufacturer Information

Manufacturer: KAMSONS CHEMICALS PVT LTD.

Address: PLOT NO. A-726, TTC INDL. AREA, MIDC,

VILLAGE MAHAPE, THANE BELAPUR ROAD,

DIST. THANE, NAVI MUMBAI- 400705 INDIA.

Emergency Phone #: (91)-22-27780768 **Information Phone #:** (91)-22-42029999

Date Prepared: 01 April 2015

Revised: 22 April 2016 **Supersedes:** 16 September 2015

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazard Classification

Not classified as hazardous according to the criteria of ASCC.

Not classified as hazardous according to the criteria of ASCC.

Not classified as hazardous according to the criteria of HSNO Minimum degrees of hazard regulations.

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods (ADG).

Not classified as dangerous goods according to the Transport of Dangerous Goods on Land (NZS5433).

COMPOSITION/INFORMATION ON INGREDIENTS

Conc.	Wt. %
Ca.	60%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >100° C **Specific Gravity:** 1.055 (H₂O=1) **Vapor Pressure (mm Hg)** NE

Melting Point: NE **Vapor Density (Air = 1)** NE **Evaporation Rate: (Butyl Acetate=1)**
<0.1

pH: 8.0 -9.0 **VOC:** 132g/L., 1.10# /Gallon, 5.58%/wt. **Solubility in water:** Dilutable

Appearance and Odor: Black viscous liquid with mild characteristic ether odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NE (Water Based Product) **Flammable Limits:** NE LEL-NE
UEL-NE

Extinguishing Media: CO₂ or dry chemical. water aggravates spill cleanup.

special fire fighting procedures: Wear niosh/msha approved pressure demand
self contained breathing apparatus.

Unusual Fire & Explosion Hazards: Material can spatter above 100°c. dried film
may burn.

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SECTION V - REACTIVITY DATA

Stability: XX Stable Unstable Conditions to avoid: temperatures > 100c.

incompatibility (materials to avoid): materials that react with water; oxidizers hazardous decomposition byproducts: oxides of carbon and nitrogen at fire conditions.

Hazardous Polymerization: May occur XX will not occur **Conditions to Avoid:** None
Know

SECTION VI - HEALTH HAZARD DATA

Acute oral toxicity:	LD50 > 2.000 mg/kg (rat)
Irritant effect on skin:	non-irritant
Irritant effect on eyes:	non-irritant
Sensitization:	non-sensitizing

EYES-(Acute) Irritation. (Chronic) same.

Carcinogenicity: NTP? No IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure: Inhalation; transient narcosis or headache with prolonged exposure at elevated temperatures in confined areas.
skin; mild delayed skin irritation.

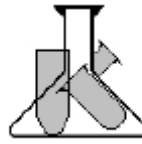
EYES; Tearing, Redness, Irritation.

Medical Conditions Generally Aggravated by Exposure: May adversely affect renal, hepatic, neurological processes, spleen and thyroid.

Emergency and First Aid Procedures: Inhalation; remove to fresh air, seek medical attention. skin; wash with warm soapy water as soon as possible. if irritation persists, seek medical attention. eyes; flush with clean water for 15 minutes and seek medical attention. 2 of 2

SECTION VII - PROCEDURES FOR SAFE HANDLING AND USE:

Steps to be taken in case material is released or spilled: Keep all spectators away! Wear niosh/msha approved respirator for organic vapors if in poorly ventilated area. Dike and contain spill with inert material. recover usable material to container for use. Separate unusable materials. Keep spills from sewers or water. Also see section viii control measures.



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Waste disposal method: Spread material evenly on plastic film and allow to dry thoroughly. Dispose of in accordance with local, state and federal regulations.

Precautions to be taken in handling and storing: Use and store with adequate ventilation. Avoid eye contact. Keep container closed. Protect from freezing. Avoid temperatures in excess of 45 degrees c.

Other precautions: avoid breathing vapors, especially in the head space above liquid. Deliberate ingestion or concentrating and inhaling vapors may be harmful or fatal. See label precautions.

SECTION VIII - CONTROL MEASURES

Respiratory protection: Niosh/msha approved organic vapor cartridge.

ventilation: local exhaust: recommended mechanical (general): recommended

Special: NA Other: NA

Protective Gloves: Impervious eye protection: chemical splash goggles

Other protective clothing or Equipment: As required to prevent skin contact.

work/hygienic practices: good industrial hygiene

SECTION IX DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. However, No warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of the use thereof.

LEGEND: NA = Not Applicable NE = Not Evaluated NR = Not Required

OSHA/ACGIH TERMS:

PEL = Permissible Exposure Limit **STEL**= Short Term Exposure Limit

TWA=Time Weighted Average **TLV** = Threshold Limit Value *NE = Not Established

HMIS Hazard Ranking: 0=least 1 = Slight 2 = Moderate 3 = Serious 4=Severe

For further information on Personal Protection refer to HMIS Personal Protection Index.